

# SEQUENCE LISTING

<110> Horne, Darci T.  
Vockley, Joseph G.  
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Gene Logic, Inc.

<120> Gene Expression Profiles in Liver Cancer

<130> 44921-5028-WO

<140>

<141>

<150> US 60/211,379

<151> 2000-06-14

<150> US 60/237,054

<151> 2000-10-02

<160> 3950

<170> PatentIn Ver. 2.1

<210> 1

<211> 282

<212> DNA

<213> Homo sapiens

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<210> 2

<211> 507

<212> DNA

<213> Homo sapiens

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<220>

<221> unsure

<222> (1)..(507)

<223> n = a or c or g or t

<400> 2

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tcantggcac cactgggaaa ttnttggttn gcctggacac actggtaacc aattactggg 420
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507

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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA001603

<220>  
<221> unsure  
<222> (1)..(244)  
<223> n = a or c or g or t

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accagagctt aaccccatgg gangacactg ggaaaggagg caaaacacac acttcagaat 180  
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atgc 244

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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA001604

<400> 4  
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c 421

<210> 5  
<211> 387  
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<213> Homo sapiens

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<220>  
<221> unsure  
<222> (1)..(387)  
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agtagtatta aaagacataa gccaaaaata gatcattgca gactgagtac aaagaaccat 120  
tctatttctt ctcttaaaaa attaaaattt caaattaagt accaatgacc aaataagtaa 180  
caaacacatt cagaaacata ctatatgtct acaaagaata cttcaaaatg tgcctccaaa 240  
cttcaggcac ataattccaa tttttattga atgtagagat tttatgaaaa caantccaan 300  
gctgtcccat catggaacag ccctctacca tttgggttat ttttaagactg ttccaattac 360  
ttacatgggc agaatacata ccactat 387



<210> 6  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA001903

<220>  
 <221> unsure  
 <222> (1)..(202)  
 <223> n = a or c or g or t

<400> 6  
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 nattaataat ataggaataa tgaataatat atatttatat ggtaaaatat ggaattttta 180  
 taccnagggt ttaaaancct gg 202

<210> 7  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA004231

<220>  
 <221> unsure  
 <222> (1)..(455)  
 <223> n = a or c or g or t

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 ttcccaactc tagataacta tgtgctaggc tctgggctaa gtgctttaca taatgttgct 180  
 caggacaaca ggacaaccct atgatttagg tgcacccatt ctacttgag ggattgaggc 240  
 ttagatgtta acgtaacttg cctaagggtta gagccattaa gtttcaggag tctgatctga 300  
 actccgtcta cacctgcact gtccagtgtg gtaggtcacc tagtngacat ggtgaccatt 360  
 ttgaangttg aattaaaata agaacttcag ttcccttagt tgttgccagc ttcatttcaa 420  
 ttgctcagca gctggtctgt ggctagtttg gttgg 455

<210> 8  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA004521

<400> 8  
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 aagccatatg gggcactcct tttggttgct caggccttga ttgcctgtca tccagggtccc 120  
 ttggtctgag aagtctatgc ggtcacctca gagccgctaa gcaccttcag tgggcccac 180  
 ccattggcgg cgtactcctg ctggagccgg gcacggtaat agaagaggta ggaaggcaac 240  
 aggaatccca ggagtgagaa tagcaggagg cccagattca cctttagggc aaggagagag 300  
 aaacagagtc aagtaggtag tcatctgccc ttagcctccc acaggagagaa gaaaggcggc 360  
 catttttctc caggctcctg agccagaata aatacagcta gtacttatta tgtgtagtca 420  
 ttgttccacc agtatctcac ttaatgttca gcaattc 457

<210> 9  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA004669

<220>  
 <221> unsure  
 <222> (1)..(447)  
 <223> n = a or c or g or t

<400> 9  
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 gttcctacag gatcttgggt tggatngttc cgtttgattt nattttaaaa ataataaatc 180  
 acaaaactaa aacgtttgag caaggtcact taaccctctc cccagggtgt tagttattat 240  
 taccatcatc atcctcctca acatcattat tacttttcag ctacatgttt aaaagaggag 300  
 atcttttaa atgtcagctt aactggggga aaatgtgtcc cctgggcanc aaggtnnggt 360  
 ttccagaatg aaaaagcccc atctttcaca aagagctttt ggtcctctgg cgtttatttt 420  
 taaagtggcg gacctgggt ggggagg 447

<210> 10  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA004707

<220>  
 <221> unsure  
 <222> (1)..(427)  
 <223> n = a or c or g or t

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 gtgctcgccc tggaggacag caacagagcc aagggtgaggt cctgctcaaa ggtgggcagg 180  
 gggctgcgct gactcctttc ggcccttgcc agcgatgggc cggcctcgct cctcccagat 240  
 ggtgaggcca tcgcaagagc agatctgctt ggggttcttg aaaaggccag cggagttgnc 300  
 aattgatgcc acaggcaacc tctccccgga gttccctgtg atcttgata agggatggcc 360  
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 caccttc 427

<210> 11  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA004905

<220>  
 <221> unsure  
 <222> (1)..(431)  
 <223> n = a or c or g or t

<400> 11  
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gttggaatg aatgggtatc ctgggtccca ccttcccaca cgctgtgata cttcaaactc 180
cttgggtgaa gggcctcttc tcagcccaag atcttgattg tgaacattaa caaagagaac 240
agtcacctc cacagaagat aactcattaa tgacatttga ttcagtgaat aaatatatca 300
tttaaaaaaa tattgtaggg ggatcatgaa agtagtggag gtaattacaa tcaggagaga 360
ttggttatta aaatngagc aaagtcccaa ctctcaccag atgacaatta tgcacctcgc 420
tagatgcccc n 431

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA005202

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tggctgtaat tcataaacac cttcaaggct gtttctgaaa cccactgaat tttctctgga 180
cgtaattggg gtggagagaa tatgacttgc tggatgaaca gggcttcctt tgatttctct 240
taagtctgcc ttattgcatt tcaaagtgtc gggggccacc ctcagctttc aggaagtggg 300
agccaaggca gctgacctg ggacacactg gtgatggtt tataaagtgc ttctatgtct 360
catgtcatgt gtcaccagat ggtgtggcac aagggacttc ca 402

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<210> 13  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA005262

<220>  
 <221> unsure  
 <222> (1)..(349)  
 <223> n = a or c or g or t

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ttccctgcaa gctcaatagg ttctggagct catttaccat gtcgctcgct ggatcccaga 180
aagttgcca tggtcagcta agtgacggaa gactatacga ctaagcctcc agcgccgctt 240
cacaccacgc ggacgggacg gtcataaac acccgatttc tggattctaa canggacang 300
ctaattccccg ggggatgggg caagcaattt cttcattcaa ggccanatt 349

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<210> 14  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA005358

<220>  
 <221> unsure  
 <222> (1)..(409)  
 <223> n = a or c or g or t

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<400> 14
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tggctacctc ctgagcagga ggggaattctg cctgaatcac tggacaatgg ttggaggatg 240
gacgttgaga agtagaagta atgtctctga tccttggcag ctgagtggca gtggcaaata 300
ccttagcttc tcttcacatc attttccaaa tctngtaata tggctngtac aaattcttag 360
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<210> 15  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA007158

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<400> 15
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agtggaaacgt gtcaaacaga aatgggtgaca atgagttaga actgcagttg tttcaaggta 120
ctacactatt atttaaaaaa aaaactcaca aaaagaaaaa tggtatcact acaagtagga 180
attagaagag agaaatcctg gcagtcctgtc tagagggttaa aacatttcat gcatttgtga 240
gttgctgttg gagagtttgt tttttatttg tccaccgtaa tctggca 287

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<210> 16  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA007160

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<400> 16
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aaaagggggag gcagggcagt ttcacatttt ttgaaagggtg gtggacgaca actacacttg 180
tccttaaaagt aaaataaaaag caggagagac ccagcagaga ccaacctgat ttgcagttag 240
catcagaatc taaatctagt atcacaactt taagaaaact aaagaaaact attag 295

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<210> 17  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA007395

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<400> 17
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aacataggga atattcatat atataacagg tacaaagtct ataataattta aagctctttt 180
atgttcccat attaaatgta aatatttgtt taaacgcatg gctttccttg gttcatcaaa 240
tcaggtaata aattaaccag gcagggttcac attcaatcag atagtattcc gaattgctcc 300
tggcatcttc aaaagatgag gattgttcgg atgctttttc cttggttcat taggtcaaat 360
gcctcactga ttttgtcaaa aggcagggtg tgggtcacca gtgcatccag attgaatttc 420
ttattcttat agtcagtgcac cagctttggg atagaatcta cactt 465

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<210> 18  
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 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA007507

<400> 18

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gattcatcat gactgacatg gtgtgtcaca aagagctcca agtaaagtgt gtgaaggaag 180
aggatgagga tggagatgag gatcctgaga agggcccaga ctggctgccc aacccatgga 240
cctgaggcct gagtaaggct gggagctgct tccccctctg cccaggaact ctgtccaggg 300
gcgattctaa ggcacagtgg tgaaggacat gattggtccc ccaagtgtgg tcctcaggtc 360
tcatggcagc cactcgcc 378
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<210> 19

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA007629

<400> 19

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taacctcctg gggagcagct ctggacactc agtaccaga cctgggctca gcaaggcctg 180
gggtgactgt gcccctcact cctgctgctt gatctgggca gccaccctt cactggtaag 240
acagaattct caagggatag gcgca 265
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<210> 20

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA009719

<400> 20

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cccggaactt cagagggacg tagttggatg ttgatgaact gtagtggcgt ccacaccgcg 420
cagttcatcc tcagcgccg cca 443
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<210> 21

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA009913

<400> 21

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cagtagccac taaatacatg tggctaaact taaatttaag ttaattaaga ttaaaagctc 180
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ctacaggata tgccatcatg gcagaaagt tctattggtg gacagtgttg gtctatactg 300
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<210> 22

<211> 484  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA010065  
  
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 ttacagtaac ctacttgagc ttgcatttaa ctgagctctg ttgctgtgaa gaatacagct 180  
 catgcacagg tatggatgaa agatttgtac atttctcaag tattcactga atactacctt 240  
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 atggtaatga acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga 420  
 catcagatga gttttaggta cttggttgga aagttctctg gggtaacata acatgccggt 480  
 acta 484

<210> 23  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA010205  
  
 <400> 23  
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 gagggcgcaa tggaaatgtc tgagaaaaaa tgctgcctct gccaacgagg agtcccatgt 180  
 gcttgacgac ctcatggatc tgatttactt cttcacgggg aagaggccga cagcttatct 240  
 tatcctgcac catttctatg cctatcatga ggcccttgcc tcgggacggt ctccaacaat 300  
 ttcaaattca tcccggcagc ttagcaaact tttagtaaac atgtaaggtc ccaaacttcc 360  
 ttggactggt ttttcccggt aagaattttc 390

<210> 24  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA010360  
  
 <400> 24  
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 cttactgtca ggatgaagcc tttatgttta catccaagaa ctgagttcac tgatgtcaac 180  
 acctaaggga atgttctttg aaccacacag cagagacaat tgatcatcacc ttgggttacag 240  
 ctgtatctca gattggtc 258

<210> 25  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA010530

<220>  
 <221> unsure  
 <222> (1)..(444)

<223> n = a or c or g or t

<400> 25

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tatgcaaggc ancatgaatt aaatacttat gtcagaacat atttgtctta cattattcaa 120
gataaagtgg attttaaaag caagttgggt accaatgatn ggggagattg aggagaatag 180
ggcaggcagc aacagggcaa catgcatttt tcaagagtgt ttattaaaat aggcagtaat 240
cagtacatgt acatcatatg agcagttttt caaaattagc acttccagga gaggggctac 300
atctcagttt tttctgtctg tacagtaaaa tgccaaaagt acttccctaa agtacaaagg 360
catttcccta gtagtcttgg taccagtaac aatatgatta ctaaaccatct ccaatgtggt 420
ttttcattac aaagaaacat gttt 444
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<210> 26

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA010605

<220>

<221> unsure

<222> (1)..(465)

<223> n = a or c or g or t

<400> 26

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cagtagggaa gttgggcgag ttccagaatc agggggcggt gctgtgtggc tgtggcctcc 180
gtgggggtgg cggggcttac atgccgggca ccacccatt ggtctccatg ttggtgaagg 240
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ccaaaaccct nggtggttgt tggcgctgga tgacttccag gaagagcgtg ggccggctct 360
gcaccggttt ggggtgaagat ctgcaggagg tagcctttct cgtcgtagtc caccaggatt 420
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<210> 27

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA010619

<220>

<221> unsure

<222> (1)..(485)

<223> n = a or c or g or t

<400> 27

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ccatctattt tcctntaata aacttcagca cggacacaaa ttcgcccac atgtaaaagt 60
gcaattccga aaggatcctg ctagaacaag gtccacggta caaaagcatc ctatggttat 120
gtaactgcag cggccaccaa gcgtccccct ctgggctctg gagggtttcg gccctgcctg 180
cctccccct cctctgggg cagctgggac aggggacccc tgtttgaaga cagcggggac 240
aacggccccg gaggcagctg aattgccc atgtgagggc ttcttccttg gcaactgcctg 300
aaccctgtag cccactccgg ctgcccgggc tcttctgcct tctcctggca ccagcctccg 360
ggcccggggc agcttgctag gagagcgaga acactgtttc tgaaaggggt gctgcttgct 420
tctttgttcc cggttttccg aaagcngaa tcccgaacg ccgtgagaaa cctcaggctc 480
tgggc 485
```

<210> 28

<211> 507

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA010750

<220>  
<221> unsure  
<222> (1) .. (507)  
<223> n = a or c or g or t

<400> 28  
ggttacaatt cacattcctt attctgagaa tttggcccca gctgtttgcc tttgactccc 60  
tgacctccag agccagggtt gtgccttatt gtcccatctg tgggcctcat tctgccaaag 120  
ctggaccaag gctaaccctt ctaagctccc taacttgggc cagaaaccaa agctgagctt 180  
ttaactttct ccctctatga cacaaatgaa ttgagggtag gaggagggtg cacataaccc 240  
ttacctacc tctgccaaaa agtggggggt gtactgggga ctgctcggat gatctttctt 300  
agtgtactt ctttcagctg tccctgtagc gacaggtcta agatctgact gcctcctcct 360  
ttctctggcc tcttccccct tccctcttct tctttcagct aaggctagct ggtttggagt 420  
agaatggcaa cttaattcta atttttattt attaaatatt tggggntttg gttttaaaagc 480  
cagaattacg gctagcacct agcattt 507

<210> 29  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA011134

<400> 29  
tttttttttg gtttagaatg aagttttttt ttttaattat ttttcttggg agtagggagg 60  
atttgaaagc ttgaaaatca agaatacaaa gacagtgaat ctagaaggca tctgggagca 120  
gaacagagat tgaagacggg tgggcacagg agaaagcgcc accatcgatc ccggctgctg 180  
ccctggaaat gtgattttct taatagctga gttcatgggt gcttgaggtc aggcctggct 240  
attcattttcc agcgatgtct gaccagagag gactcatcat tgacgacctc agggtcacgg 300  
gggcgacgct gacaccggaa cggcagcagc agcaggacga ttaagacaag gaggatggct 360  
ccacagacgc tcatgagcgc cataggacac aatccacaaa atgggggctcg ctcaaagact 420  
gagcggggac acagtctt 439

<210> 30  
<211> 446  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA011209

<220>  
<221> unsure  
<222> (1) .. (446)  
<223> n = a or c or g or t

<400> 30  
tgcttgcccc agactttact cgctcccggc cccacggacn aaggaacact gccgcaaacg 60  
tcggggccca gctgagagg agcctctggn cgncccaggc ctcttgggga tccctgcca 120  
gctggccccg ggctggaagg tgcattggga gcacagaaa ccaggatcca cccactgcc 180  
accggtggcc ctcacagctc cccgggatct gtgtcctcag tgcaaagggc ctggcaggga 240  
aagctgggccc tgttggtcag gcatggagga gctgtgtggt cactggccac tggctctctt 300  
ctgcaccacc gccggctctg acaantgcct gctgctgcag ctgctggatc agctccgcca 360  
cacagatctt tgaacagggg tacagggtcc ttctctcca aaagtctctg cttctnaatg 420



gcctcctcca gcgtgaggcc caccn

446

<210> 31

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA011383

<220>

<221> unsure

<222> (1)..(404)

<223> n = a or c or g or t

<400> 31

```
gagatggagt ctcactctgt ctgccaggct ggagtgcaga gcgacactct atctgaaaaa 60
cacaaaaaca gaaacaaaac cacacacaca cacacaaaac cataaggact tttggaaacg 120
ttttacgatg tggttgaagt gctttcagat taattactat tggagcaaaa tgatgaagtg 180
atgtatccca aaccgtgttt ataagtaatt caagtattag ctagccatct actatgtcca 240
agcaatgtgc atgacactga anggtggaat ggtgggcagc ccttacagag cggtaacaaat 300
ggggtcaatg cgggtgcaaa cacagttgca tggcagggtt tggtngctaa atnttttaag 360
gattgggagg accacgccta ctttctcccc agggaaaggg gata 404
```

<210> 32

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA011679

<400> 32

```
gagacagggt ctaactctgt agcctaggct ggagttcagt ggcacgatca ttcctggact 60
caaataatcc tcccacctca gccctccgag tagctgggac tacagggtgca tcaccaggcc 120
tggttgattc ttttttattt tttgtaacaa ttaaataata aataaaaaatc tctactgtgtt 180
acccaggctg gtcttgaact cctgggctgg agtgatcctc ccacctcagc ctctcaaagt 240
attgggatta cagatgtgag ccaccatgcc cagcccctgt tctctcaact ggccaaacag 300
gaaaggacct gcgaatggtc actgggagca ggagaccagt cagagaccag gagcaaaaga 360
ggcctagctt ggctgggaga gagaagcaca tccctgggta gtgggttttac agtgccctgc 420
tctctattgc ctcaccctta aaataaacac cacaccctc 459
```

<210> 33

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA013095

<220>

<221> unsure

<222> (1)..(502)

<223> n = a or c or g or t

<400> 33

```
tgcacaaaat gcttttatta ctctaagcaa ataaatcaat caaatcacat ttcccattag 60
acagcacctc agctccccta tacatacagc agttcgctgg attgaataca caatgaacaa 120
ctgaaaatga tcaatttcca tcattctgat aacacgggca aaaaattcaa actctctgtt 180
agaatacagg tactagtaat caaaaagaaa atttcttgat atctcccact agcattttca 240
gatttagaat ttaaccatga agtacatata tagaactaat gacagaaaaa tcgcatttta 300
```

```

aaataatatt acagttcttc tgtaaacctc agagtgattt ctgtgtgggg aacttggctg 360
accagaagat taaatgagaa ttttgtacnt ccctcagata gccaaataga gttaaagggc 420
cactcccaca ccacccctt ccaaaaaaaa accaaaacat ggttttcccn ccttttttac 480
cggatattga ccaccagtat ag                                     502

```

```

<210> 34
<211> 482
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA015768

```

```

<220>
<221> unsure
<222> (1)..(482)
<223> n = a or c or g or t

```

```

<400> 34
acgtgttcaa atatttattt taacagcatc ttttgaaca tgttttatttc ccttaaaaaac 60
gacacagagg aaacatgtac actgtaacaa caccttcccc tctgtttctc cagaagaaaa 120
atgtttctgc atgcttgata acagatgggtg caaccaacag taaacctggc tctctacacc 180
agtgaagaac catttctcaa atgcccagtg tgcctcagag gaaatataca atttaaaagt 240
tgacctgtga gcaaaaattt tgagtcaaat tattaataatt tagaaaagaa ctggattcaa 300
atacttacaa actaggcagt ttttaaaact agacctttta gaccgtcctg ggtcatccat 360
aatatatcag agtcactctt aggggtgggt aacaacataa atagtatttt cacttaacgt 420
aaggctagtc ccatggaata ataaaatcca acagttgggg gntaaaaaatt taattccant 480
tt                                     482

```

```

<210> 35
<211> 248
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA016021

```

```

<220>
<221> unsure
<222> (1)..(248)
<223> n = a or c or g or t

```

```

<400> 35
tcatattgta caactatgat attaggtatt aagcgacgta attctttctc tactagttaa 60
ccagtttatt tcacttagca aactctaaat tgagggaaat atataatctg agaacacaca 120
gaaaaatata ttgaaaaacc aatagagaat tatttttaac catcataaaa actcaatctt 180
aattaactga tagtctttta cttaaaaaaa agagtaatcn agattggaaa ttgggaatta 240
aaaatatt                                     248

```

```

<210> 36
<211> 406
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA017146

```

```

<400> 36
agatggagtc tcgctgttgt tgcccaggct ggagtgcaat ggcacaatct ctgctcacga 60
caacctctgc ttcccgcagc caggttatct cagaagccaa ttttcccttt agggaaagtt 120
acagaatcag ccaggaaga ggaatgggag gatgggctgg atgatccctg ttcaggccta 180

```

```

atccgctggc ctccttgggg cctccctttc tttgtgccaa gccctgtgct ggggtgctggg 240
aactgggaac acagaatgaa tcagacatag cctttgttcc catggggctc agtctcatgg 300
ggaagacaaa tgtgtatcag gcattattga cccaggatca tcagtgtctc aataaaaagc 360
tcagaggggtg ggttgggaag gcttcctgga ggaggaggta ctggaa 406

```

```

<210> 37
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA017192

```

```

<400> 37
tttttttttt ttgggtttta agccaaatth tatctaacct ttaataaaca aatcaatggc 60
aataacaaaa atttaaaaca ttcttaatth tgaatgttaa tatatgaatg ctaataatat 120
taatatcaat tttgaatatt tggacaaaaa tcccaaacaa aatattcata agataaatta 180
agcagcttat caaaacaata atataccaca gctaagcata ttatatthca gaaatggtht 240
aaaacaagaa atcagaatga attataacat taaaatagca gaggagaatg atatatgaac 300
aaagcaaaag aagtgatagg a 321

```

```

<210> 38
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA018346

```

```

<220>
<221> unsure
<222> (1)..(452)
<223> n = a or c or g or t

```

```

<400> 38
tctcagtaaa cattcattta tttcctgcca gcagggtgcag tggggcccca ctgggnaggg 60
ggactgggtgt tctaacagga gcgagaaaat gaaggaggcc tggcttaaga ccagacattt 120
gaagaaggct ccaggcaggg aaaggaaaag agaggccagg ccacactgtc cctccctgc 180
ccccacgtct ccagcaacac aaggcggcca gtggaccgtg aaccatttat ttccaaacta 240
taaagaaaacc tgctctctga gaaaagacac tgcccagggtg atgaagctcc agcccctgga 300
ggtccaaaac ccagtccaaa ctcagtcctt ttagaaagct gctgtgcctt tggaaatgag 360
tctcgggtgt cagagcctgg gaagtgggtg gaagaaccag cccactcccc tctcctgctg 420
cgattccagc gcagtttggg gccagctct gg 452

```

```

<210> 39
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA018867

```

```

<400> 39
gtttacatca tattttatth tattacagtc aataaatata cttttatata tgaaatcatt 60
atagaatata tattttaagg cactaagtht caaaagtga ggcacctgtt atactthtgc 120
ctctaatttg acacattaaa acatgagagg taaatctgcc aatttattht gagthtgcaa 180
gcttacaatt taatagaata aatcaggtag cttcagaaat caactaagaa aattaacagg 240
ctagagtctg aactaataat cttgacatgg tttgattatc acttggttht ttctgattac 300
tcattthact tttcatttht gaatctaaac tgacaattcc acctthtagag gtataataga 360
gctattaacc gatgagacac atctactcat tctctggtaa ctctgggaca tcgcatcttg 420
ctthtaaa 427

```

<210> 40  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA018922

<400> 40  
 aagtgggagc ttttgggtgta aacttttcctg cagccggttaa agtggcaccg gtgcaccctc 60  
 ctccctgccgt cgggggaggc atcgcatctt ccttgtcacc tggcttcccc gaagtcccgc 120  
 tgcgcacctt ccctggcgag ggcagctccc cgggcacgca accccacagt tgagaagggt 180  
 ccctgctcag ttccggagaa gatggaggcg tggagggtgac agaggagctc aattttcccg 240  
 agctgaccaa aacttcgcca atggggctcg aggtaaactt ggccgttggg aagaaagtcc 300  
 ctccggagctg tcagaggatt cgctgctgac atctgagttc aggctgttgg tctctaagtt 360  
 gtaacaaaag ctccgggctga tgagagtgtc ctctggagga ctggaagata tcttcaa 417

<210> 41  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA019715

<220>  
 <221> unsure  
 <222> (1) .. (487)  
 <223> n = a or c or g or t

<400> 41  
 ttaagagaca agatctcact ctgtcaccaa ggctggaatg tagtggcatg atcatagctc 60  
 aactgcaacc tcgaactcct aagctcaagc aatcctctca cctcagtctc ctgagtagct 120  
 aggactacac agtatgtgct caacatgact ggctagttaa aaacattttt tttttttagt 180  
 agacgaagct ccaagtgttg ccagggctgg tctcaaactc ccagcctcaa gggatcctcc 240  
 tgcattagct tcccaaagtg ttgggattac aggcattgagc caccacacct ggccctctcca 300  
 taatgatgtt gagaccatcc tcttcaacaa agaattcagtc agttcagcac ctaattttcc 360  
 cacactgaag tctacgcaat tttcatgcag actgtgcaca cagtacagtg cacaatatcca 420  
 gagggcaaca cattggtaat tcatatcatc cgggttttcca aagtatgaca tatgggacac 480  
 ctgggagn 487

<210> 42  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA021549

<400> 42  
 aaagtcattt tattggacac aaatgctaaa aattagaaaa accatacatt ttactctatc 60  
 aatctgttag gaaaaactat agaatatgat agtgattgca ttgattctgc ttagcaaaatt 120  
 aaatgcaaaa ctaagatatt caccaaatat aaaatatagt tatttttctaa gaaataaaaac 180  
 tcacacaact gccattttta gcagaatggt ggcaactgcc attttttagca gaaacaaaaa 240  
 ctatttcctg ttaacaagaa ggaaaaacca tcagtgaaca ctcaagtaat aatcagggga 300  
 ctaggatgga ctctcagtaa gaaaccactg gaatatacct gggactaaat ctattctaac 360  
 aaaattaagt ataccaaccg gaatagtttt gtgtgtgcat ttggttttta ctatatactt 420  
 ttataatctc aaaagttac 440

<210> 43

<211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA021623

<400> 43  
 gggttttgaac ctttaataaa agtaaaaaat gaatgcaaaa agaacacaat gttgaaaact 60  
 tagtatgaat gtgaacctca ctagatgttc aaatctggta gagtgcaaat tttgttcata 120  
 ctattttaca tttttacaaa ctcaaatac tttggttcat atattttcta taaactattg 180  
 gcaaaaaaat cctcaaattt acattctttt ggctacatta tttctaacag atatagattt 240  
 acttccggtt tcggagagaa agacttattg tgtgtgctg atcaagtctg ttttaaagat 300  
 tcaactgctg ctttcatcta ataacttctg gtttttcata aaatgctgac atcttcattg 360  
 gaaatttttt tcatgtaact gttttcattt tcagaaaata tataaggggg tcattccg 418

<210> 44  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA022623

<220>  
 <221> unsure  
 <222> (1) .. (394)  
 <223> n = a or c or g or t

<400> 44  
 gaggctaatac acgtatttat tttttcaaaa gggttaaagt aagcttttcc caactgaaat 60  
 atatagaaaa ccccaatgta tgaaacaagt tttaggcatt ggtgttgga gcggtagtgg 120  
 gctgatgtgt cctccctgca cacagctggg ggcattgtac ccttcccctc tgggtgaacc 180  
 ctggggaaat cttggcaccc tcagcctcac tgccttccaa tctcagctca aagactgggc 240  
 atcctgcctg ggaccacggc cccccccccc aatgtccctc aagggagtac aagaagtac 300  
 cangcattga ctgcccaccc tgcgtgtcct ccttttcagg taaaataaag aaggtaaagc 360  
 tagcttgagg attttcgcgt gnccgaaagt tnaa 394

<210> 45  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA024482

<400> 45  
 ttttgctagt gcggagtttt attggctaca aaatagatgc aaaatgatga gaatctgaag 60  
 gctgcagtag gaaagtagag ctttaccctc ataaactcgc actttgatta gaaaagtgc 120  
 atatattaag agcattatga gaagtctggg gagactgtta cagaaaaaaa aaataaaagt 180  
 ttctgagtct gataattcca agggatcttt ttagaactca ctactgggtg tctgtgcaag 240  
 gactttcctt gggggaaaaat agattttaca acaggcggaa actttcattg gtctcatgct 300  
 tgcttttgga tttcattcac ttgacaaaga actaatcttc cgttgatggg ctccctgggt 360  
 atggccttga tctttggagt tgcagacact ttcattgctg actttgattc ttcccgtgtc 420  
 ccttactct ctccctccca ggagccgtcg gg 452

<210> 46  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA024511

<400> 46

gttaattaca gtacaccttt attaatactg gaatcttcac agtgcacatctg ttacttgtag 60  
cagtgcactat atttaaatcg gggaggatgg tgtggaggagg agaatttttc caaaatctga 120  
cggaaaagaaa agaaacaaat gggttcaga 148

<210> 47

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024658

<400> 47

ttttaaatat ttaagagttt atttgagcag tgatccatga attgggcagc tccaagccag 60  
aagtggctag ggagctcccc agagagaaca tgaggaggag gcttttttagg acaaatagat 120  
aaaagcaaag ataataattc attggttaca gttatacagt tacacagtta tacagttgcc 180  
ttatttggtc tatcccatga ggaagtccta gttactaatt acgtttttgt tggctgcttc 240  
tgattgggtg agcttaagtt ctgtgtttct ttaacatagg catttacaag aaataccaca 300  
aataaagttt cagacatgct tgcaaataca gcaagggtta ggtcacttag ggggcccac 360  
tggctctgtc tgctcaagga ttcttctggc ctctgtctcca ttttacatga actggttgca 420  
taaataaaca cagagta 437

<210> 48

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024776

<220>

<221> unsure

<222> (1) .. (441)

<223> n = a or c or g or t

<400> 48

ttttcaggga gatcattctt tttattgcca aggaccaaga aacaaagtgt agaaatgcta 60  
tacacaatgg tcatgagcta caaggttagga atgggggtgca ggggagacgt ggtaacacac 120  
agcactattc tgaacgaact ccagctctcc attctaacac ttgaaccaag gaaagacagc 180  
agtccttttt cactaagcct gcaacagaat gcaaagtgtga cttggtttat cagctccac 240  
aggacaggca gcgcaaaaagg ctattgtaag ctgggttttg gagcccccat ctcaaacaga 300  
gagtggatgc tgaaggtggt ccctggccgc cactgggtggn ttgggtcccc gggcttgcta 360  
ggtcctgggc atgtctcgat tctccaatga tncagctttg tcagtttgaa tacagttggg 420  
ccaatgtggg acctggtcga c 441

<210> 49

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024866

<220>

<221> unsure

<222> (1) .. (474)

<223> n = a or c or g or t



<223> n = a or c or g or t

gccaatctgc	tcaaacaccc	agttggaaca	ggaatgcctc	gtggactggc	tttaggagtt	60
taatctagat	ggtttgctgt	ttctagcagc	agagcacctg	ttcagactct	acgtatatgc	120
acccatgaat	gggtgcagctg	ccaagagaac	caaagctaaa	tgtttggcagg	atcacagcga	180
gtgtggagg	gaaggtcacta	ggaattccct	ggagactcag	tcgttaccca	ctcaactcga	240
aggtgagca	tggctttttc	ctctgatggt	tacccatgcc	angggcccac	ctctccattg	300
tccaatgttc	tttcttttat	tgtttgtttg	tttgtttggt	tgtttgtttg	tttagaga	358

<213> Homo sapiens

<223> Genbank Accession No. AA026030

tttttttttt	taccattctg	gtcacaact	ttaattgatt	gttttccctc	cacttggggc	60
caccgggtcg	gcttacatag	ctcatagctc	agtgtgtgtg	aaatagacc	agggcaagaa	120
aggtatgaac	aaccagtgaa	tgccactgga	gcataaatgt	tcacaaaatt	gtagagaagg	180
ggtgacaaga	agcaagcagt	ggggcagggg	gtgtcactga	tgtccgaaac	cccgggtcag	240
accaacacgc	agcacagcca	ctcggccaga	gagagctgaa	ccatgccatc	cttgtcttcg	300
tccagaaggc	tgaatagttt	gaagagggtc	tccagtcgga	tcatacaagc	cacgaagctg	360
tcaaagttda	tgccaagctt	tgctgcacgc	ataccgcagg	gcaatgggtc	gctgcacctg	420
gctgttgagg	gtgaaacctg	gccttctctg	gggctgtcct	catctcgtgg		470

<213> Homo sapiens

<223> Genbank Accession No. AA026092

<223> n = a or c or g or t

gtggcatgca	gacttgattt	tgncatgga	taggggtaca	tacttggggg	ttcccccta	60
ttattaagg	atgtttttgt	gatcaaggga	tgaggcattc	aggaggaagg	ttagggaag	120
atgctcgcat	ttatctanca	ttgtatcaaa	gttgagggca	gcagctaaga	ttaagagttc	180
catagacttc	tgccgtgttc	acctccttaa	agcgatacat	tttaacgttt	tcctcagcag	240
gagcttgaat	ttacaatatga	atccagaaaa	aaagagaagt	cataataaat	cacaaacant	300
atgaaaaaca	aca					313

<213> Homo sapiens

<223> Genbank Accession No. AA026150



```
<400> 55
ggagactgga tatcatcttt aattaataat gccacagccc aatgtctttt ttgttgctgt 60
agcaaatgtg gattgtgtgt gcgtgtgtga gtgtgtgtgt gtgtgtgttc ctgaacagat 120
gaagggccag cagagactcc caagcaggtc tcagccaaca actctgttga gcagcaactg 180
gaagatagtc tccatagagg cacagaggcc agacttctgc ctctatggc attgatcctc 240
tctcctgggc cacctttcgt gcattgaggg caaggctgag gcctgtacca gccagatta 300
aaggacttct aagcacaggt cagcctccag ttcccagtac tcaactggcct ctgaccagag 360
ggatgccctg ggtagagtat agacttccag gcagagg 397
```

```
<210> 56
<211> 335
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA026270
```

```
<400> 56
caagtttcaa tcatttaatt aacatcttta aatgaaacac agttttcttc atgtgtctca 60
ctcaggcttc agggcagagg gaatggattt ttagacatat caaagactca aaaattttaa 120
gaaatatata tatgtatata tatacttcta acattttatg gaaattaaaa atcagaggct 180
tttggtctct ccatttactc taggtcaagc tcatttacct cagaggacaa agaagggctg 240
cctcttctag accctccctt ctcttttgct ctctgtcca cccagcaggg aaacaagctc 300
agaagatcct aacaggatag agttccagta atggt 335
```

```
<210> 57
<211> 287
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA026356
```

```
<400> 57
tttttttttt tttttttttt ttctatctgt gaaaaacatt tttcttgaga atctaaaatc 60
tggacaaaagt actggacttt agaaaaagcc tacacaaaat tgtctcattc ttccctaata 120
cattaataat ctaagaataa ggagggtgaaa aaaacccttt aaaaaataca ttgctccagt 180
ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240
tggtaaaatt aggaaaaatt aacaaaccct ttcaaaaagaa aaaaaat 287
```

```
<210> 58
<211> 434
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA027766
```

```
<220>
<221> unsure
<222> (1)..(434)
<223> n = a or c or g or t
```

```
<400> 58
ggttgtaaat atttatattt ctctcacata caatgttgta tgagacactt gttttaatat 60
gtatccatag gattaatact catatggagt ataatgtgga aaagtgcaga actaaagaaa 120
taagtctatc cgaaaacaaa agcacacatt tctcaggatt taaaaatatt gcacatagta 180
aggttgacac gaaattactg gctgggttta caaacagaat gaggtatcag tcaatctcta 240
gataaagatg agagagaggn tatnctacac acacacaanc acatttntcc atnctaagac 300
ccagagtgcc aacaacttng aagaaatntg aaaaagtatg ttagtagtnt gatttcaaca 360
```

cttcaaaatc attttnggnt gggacccnac anatacaact ctngggaaat tcgngaaagt 420  
 ttcancntttt ccag 434

<210> 59  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA027833

<220>  
 <221> unsure  
 <222> (1) .. (392)  
 <223> n = a or c or g or t

<400> 59  
 tttttttttg ggtgcaagga acatttttatt ccataactgt ctccaccgaa gccgcagaag 60  
 caaagccagg agcagaatcc attctgccag cgctgggctc tggggagaca tctgtgccct 120  
 caccatggag gacagaaggc agggggctccc gactccttgg tcctgcctgg ggtgctcctg 180  
 tcctcttttc ttgctggggg acctacccca cctcctccct cccacctcag ccacagagga 240  
 acaagggaga caaactgagg gctctgcagt ccccggttcaa ggccaacata atagtcgtgt 300  
 ggccccagcc cagctaggcg catcctctnc ggcatggcag cggtgaccaa gcacagccaa 360  
 cgtcagctcc gctccctgcc gtctgagagc tg 392

<210> 60  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA027946

<400> 60  
 aagagttcat aaaggtggga gccaaaggggc cagagcaaact caaaagctgc aaaggcgcca 60  
 actctggtct ccacactatt tattgagtag aatcacttag atctaagaag cagatgttca 120  
 ggggtgaaac agtgaaaggg gggcaatggc agtttaggta cattttcttt gtgctgaagc 180  
 agcataaact taactactga tttattcttt tacttatcag agagcagctg tggggagtgg 240  
 gcctaactag aagccagcat atctggccac attccaatgc ttcaaaggag tgtctttctc 300  
 cttgagcaca gtgtttatag ataagagagc aggtcacact ctgggtcatag gaacgtgatg 360  
 gcaattagga ggctttcttc ctcagt 386

<210> 61  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA028103

<220>  
 <221> unsure  
 <222> (1) .. (484)  
 <223> n = a or c or g or t

<400> 61  
 cagttgtttg tttcctttta ttaacatcta aatagattat acatcttcta taattataat 60  
 atggaaatgt atatgagcaa aatatataaa ttttttggtg actgcttagg gaagaatgat 120  
 gtcagtgaag ttcattccaag gtcttaagca gcagcatcta tgcagccagg gcgtgggtcag 180  
 cgtttgggga cagaggtaaa tatccgcaat ccatgcatct ctttgatttc ttcttttagt 240  
 gcctgattaa ccatctggtg ctgctggaca gttctcttct ccttaaattc ttctgattca 300

```

attttaattt catacatccg cccacacaacc tcctgaaatg tcagtgactt ttatagctgt 360
agctcgtggg aaacttttct tttgagaatt tgggtcactc tgagctcccc ctcagtctga 420
gtggcaaaca tccgatggtg aagtggaagc ccgcggatcc cgnaagggga gaggcgctgc 480
gcaa 484

```

```

<210> 62
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA028132

```

```

<220>
<221> unsure
<222> (1)..(322)
<223> n = a or c or g or t

```

```

<400> 62
tttttttttg tgggagaccc atttaatgtg gacactcaag gcctggggcag agtgggggagc 60
ggccaggagt tgggtgggca ggcaagtggg tgggttgagc gccactctt ggccccagga 120
ngnatgccag gtggtggggg ctggcccagg taggcaagg ganncccagg caggaagggt 180
ggcccangca ggcagaccca ccaggggtcc ctgaaggcca gcccttgaga aggtgtctaa 240
agccaagggg gtgagtggc aaggccanga gcctaacca gnggaggcaa nggtttgggt 300
cccgnttttg gggctcttng ag 322

```

```

<210> 63
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA028976

```

```

<400> 63
gtgaactgag ccacccactc ccaaacagga aaccctggtg aaggttcagg aagcacggag 60
attctctcca acaaaggtcc agttaggaaa cgacgctgag aggatgacga caacgtgcaa 120
cagcagaaaag atgcttgcaa gcagagtcag ggtcaccagt gaatgccaca aaagttctct 180
ttccactgt ttaatttgac aagagaagaa tttgaaggat atgaacattt tcaagaactc 240
tgctgaggtc acttagagcg ccatacacaac ttatttgtgt gactaattgc ctagattgta 300
agctctttga gggcagggct tgtctcttac acatctttat aatccccctgc agcggttttc 360
agtattttgt actttagtagc acctaataaa tttattattt gc 402

```

```

<210> 64
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA029215

```

```

<400> 64
gacagtagac aatgttggtt atttaaaatg tttactccaa gaaatatata tataaaaaaa 60
ataataagac aattacagca ctaaaccagg caccttcgac caaatcaca cctcctcttt 120
gattccccct cagcctaagc ctctttcaca ttctttttcc tgagctggaa gaccagtcag 180
atgcccgag tcaagcgcca agcacattcc caaccgggca actgtgtacc tttctctagg 240
agtgacagc acccttcccc cacaactcct tattttaaag gatttaacct attaggaagc 300
ccatgtttca atctaagcca gaaggagctg cgggacaagg cagtcttcac tttgaaggtc 360
cctttcctgc tccagtcctt ggggctaggg ttctagaaga ggctggctgc cacgtttaca 420
tgag 424

```

<210> 65  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA029288

<400> 65  
 acattttgcct gggtttttatt gaggtagatct ctcacgacaa aatcatgaat attacactga 60  
 aaggccttatt acattatctt tgtgtagtta ctctccagta taaaccctgt gatgttccgg 120  
 ttttgatgcc tgggtaaaag ctttaagcatg cacgttacat ttgtatgggt tcatcaaaaa 180  
 agtttttgat gcctagttag actttggcct gcggaaaatc tctatcacat ataattatta 240  
 taaatgctct ttagtatgga ttctctgatg ttgatgaatg tttgaagtca taatgggttc 300  
 ccactctcag tgtttttggt tctctcaagc atgaattttt gcaatattgt acaatgtgag 360  
 aattgtgcc gaagacctg ccacattcat tacatttggt aggtttctca ccagcaagaa 420  
 ttctttgaag aatcctgggt tcagatttta ctttaagacc ttgccacatt cagtacatta 480  
 gtaaa 485

<210> 66  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA029356

<220>  
 <221> unsure  
 <222> (1)..(422)  
 <223> n = a or c or g or t

<400> 66  
 gctctcagag gacaagaatt atgtttttatt catttggggag tacataggcg gtattttaaac 60  
 aatggtgcta tcttaaacac caaatatcaa ctgcagttca ctttttccgt gtgggggacta 120  
 atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180  
 taacttataa agcatttcac tgcatgttat aagatattac agtaaataca attaggtact 240  
 taccatttta tctttacttt aaaaacaatg cctnttccaa aatataaaaa aaagacctat 300  
 ttttaaagan ctattttaag atngcttttg aaaacaacac ttttatntta cnacaaatag 360  
 atggtagtgg caacagcact cgtggatggt tacngntaaa taaaaatacc tagtattccg 420  
 gg 422

<210> 67  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA031360

<220>  
 <221> unsure  
 <222> (1)..(186)  
 <223> n = a or c or g or t

<400> 67  
 aaaatttaaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtgggtg 60  
 tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120  
 atgtaagaga caaatagaca acaacattct ccttgaatct ggaaaaaagc nagccnttag 180  
 ggtnc 186

<210> 68  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA031543

<220>  
 <221> unsure  
 <222> (1)..(501)  
 <223> n = a or c or g or t

<400> 68  
 tttttttttt ttaaaataaaa atgtttttatt tgtaaattat gtacagaata cacttttacgt 60  
 tacgccaatg aaannngnnn ggaggaggga gagccatcac cttccaacaa atgctgttca 120  
 ctttctctgc tggagacgac catctttctc tcagtcagac gtacaaatca gtgtggattt 180  
 cctacattgg aaaaataatt tagctaaacc agaagtgttg ctgcattgtt actagttggc 240  
 ttgtttccac aaaatagttt tgaactctgc taactcagaa tcttaaaaga aatctcctgg 300  
 tataatttta taatgaaaaa taaaacttat caaggacaat gagtttacac atcttaaaga 360  
 aactgtgaaa tggctacata actatgcata attgtgaaat gttggagttt ccttgttccc 420  
 tttaaagggt atntttgatt agtctaacag taaaaagcca taaaactatc caaaattgcc 480  
 attaatgtaa atccnctggg g 501

<210> 69  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA031548

<400> 69  
 tttttttgaa agggaaaaaa attttttttaa ttacaaactc aattcatttg gtgcatttca 60  
 aaggtgcaat acttttcttc atttatcagt gaaagaagtt agaaattaac ttcccaaaaa 120  
 aatcagcaaa tggcaaacaa atgtccttga aagtcacagt cacatatagt gcgtcctaga 180  
 aaagaggagg ggcaagatgg gtcaccacca ctttcatgag ttcatcaaa tactggatct 240  
 actcaagggt ggagagaaaa ggcaactttc aaaaaggagt atgttattaa atgaggcatt 300  
 tactatactc cttcctaaga gcaccagatg gggaacatgt tttctaaact agatctagga 360  
 agtggaatgt ggaatcaatc cgtcctcctc cccttaaggg ctaaccactg gttaatgaat 420  
 taaaaaaaaca agactaaaaa acaaaccctc acacacactc cccc 464

<210> 70  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA031814

<400> 70  
 ccataaagca gtttattttt cttaaaaagg aaggtagatg gtcacagtcc aaaatgtttt 60  
 atacagctct cagcctggaa aatgcaactg atgaaaaagg cactgtttct agaacaaatg 120  
 gaaaaagaat aaatatgtca tcattttacc tgcacagctt tgag 164

<210> 71  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA032005

<400> 71  
gatagtgtt tgtctttatt tctgatgccc atcttcttca gaggttaaga agaaatgaca 60  
ctgatgtaca aatgactcac caagggactc tcacctgact ctacccttgc aggggtggaa 120  
taaattccctt ctattttcaa gtctatttgt cccatttctg tttagacata atttgaaagc 180  
cagcttgga cttgtacttt tcaattatgt taacgtaaaa tactcgtaac gaatgtagta 240  
tgagtttaaa gtgagctttt cagatcctat aagtgcaccc taagtaatga caggctttta 300  
gataaggaat ata 313

<210> 72  
<211> 550  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA032048

<220>  
<221> unsure  
<222> (1) .. (550)  
<223> n = a or c or g or t

<400> 72  
angattacca gctccggacc cagtgagggg ctgtcgcagc caacaccccg gcctcgggct 60  
tcctggtggc agcaccaggg gacacacctg ccaaaccac cagatggagg ggccctccct 120  
ggtctctggc caccctccca gcctctgccc agggacccct gccttcccca ggccatctcg 180  
ctctgccgtc gacactcgtc tcagaagccc ctttcccaga agaggctggt cttcaagaag 240  
tctcgtttct ttgcccctga agtcatgttt cagggaagg atgtgaaatt tttccgtgta 300  
gaggttacag ccttttatgc tggtgagctc ccaggtaacca aaaagcttgg gccaacgctt 360  
gccagccagc cagctgcagg tggcatctgc aggaaggaag cgccagcttc gccaggccag 420  
cagggcgctc gttttgttgc cattttgttg aacgttatgg gtttatgggt gttcctggaa 480  
cttgtctttg tgcattcgtt gctgtttgtg ttacctcac tgtcccatgt tccaccacg 540  
tctacggcan 550

<210> 73  
<211> 491  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA032250

<400> 73  
aataatactg tcatgtcaca gttggtctat aacaagcatc acaaaaatgt caaataatct 60  
gtgccttgta aaatccacta atgtaacatg aaaagcaciaa tttgacatca acccgtgcag 120  
tgaaccacgc tgtgttacta tagaatcctt atctgctctt tggaattact gatctctcaa 180  
aatctgactc agtttacttc tagcccaaat ggaaaagtcc tcaataagcc aggaaacagc 240  
cctccctttg gatgtgtgtc tagtctacaa aggatggcct tctgggggtac catcttgtgt 300  
ctcccagacc tttccctgtc tccctcagtg tctgtgcccc acaatacaac aaaggccacc 360  
tggaacacatc tctccttacc tggaacccaa agcagctctg cctccatgcc tgccttgggg 420  
agctacctgg gcagacagct ggaaaaagca agaggagacc caggctctag ttccaggcca 480  
gcatgcaggc t 491

<210> 74  
<211> 106  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA033790

```

<400> 74
gcagggtcagc aacaagttta ttttgcagct agcaaggtaa cagggtaggg catggttaca 60
tgttcagggtc aacttccttt gtcgtggttg attggtttgt ctttat 106

<210> 75
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA034030

<220>
<221> unsure
<222> (1)..(433)
<223> n = a or c or g or t

<400> 75
aaactttttt tattttacat tctggggaac atgtgcagga tgtgcagatt tgttaaacag 60
gtaaatggca actttccttc tttagttagc aaatctttca gtaagcaaag tacagggtgtt 120
ctctgtgata tttttatttt tgcaatttat gtttaaggag caaatctatg caaggtagca 180
tctttctaga tcnggaaagt tgaattcntt ctatatcaca gacctacact cacagttgac 240
atcaccattc tatgacaaaag ccnctaacta caacccaagc actntttatt taaaaggaat 300
gttcatcaac atccactctc cttggtcttg agccaagccc agaaataaca aggtcagatg 360
gtcatgatca ggaagaaagt aaactcagac ttngaagaaa tatactggcc aattcccat 420
attccacccc ggc 433

<210> 76
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA034365

<220>
<221> unsure
<222> (1)..(387)
<223> n = a or c or g or t

<400> 76
tagcagttca catagtttat tcagcaatat aacaggagag aacctccatt gtaagagaca 60
taaggcagat acagggtgca tctctggggg acattcttca tacagactaa caaataactt 120
cagggtttcac aacatgtagc aagtatgatt tggtgcacac caacagccat tcattcctca 180
cgttttcctt gctaaaagag ccctggtcag gcacggtggc tatgctgtaa tcccagcact 240
gtcggagggtc agggcagggt gatcatctga ggtcaggagt tcagccattn tttttgnatt 300
ttttatagaa gaccggattt tcaactccaca gggtattgac nttaagtggg attaacatgg 360
accattngg cacctaaact ggctnng 387

<210> 77
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA034378

<400> 77
gagtaacatt ggctcgttta tttcacctgg gtgcaggcgg gctgagtcgg aaaagagagt 60
cagcaaaggg tgggtggatta tcatcagttc ttataggttt tgggataggc gctgaagtta 120

```

[illegible]

<220>  
<223> Genbank Accession No. AA034499

<400>	78						
ctaaaaccac	tacatagaat	aatggcaact	ttcactcaca	gattattttac	atggtaataac	60	
ccagcgtggg	tacactgcta	caaaactcan	aacagaagga	gtaaaccttga	aatgtttttcc	120	
ataataaaga	tctagcagca	tgactatcta	atgctgtttt	atcccgattg	cttttgcaac	180	
gttccttttt	agtctgtgtc	ttcatccagt	tcataattgt	ctttatcata	aatatctttt	240	
actagaagaa	cccgtaacaag	catattttcc	aagggtgttc	ggtccagtga	agtagacgta	300	
taccagacag	ggctatctgt	agaactagag	cattctgggt	tgc		343	

<220>  
<223> Genbank Accession No. AA035245

<400> 79						
tttttagtca	tgaaattatt	tagaaaattg	cctttcacta	tatggtataa	tttctgttgg	60
tggatagaag	ccaagtagga	gtcacatgca	agtcatcacc	tattccattt	agctggatgg	120
attgaagaga	cagagtaatg	acgaatatca	ccctagagga	aaccaattag	tnntttataac	180
attgaaaatg	atztatagat	tgcttaagca	tatctatcaa	atctaaattg	aatactttaa	240
atcagctcca	tagaaaagca	acactgtggg	atgattttctg	aactgtggaa	actctgtctt	300
tcagatctag	catctttccg	cacagagata	ggacagattg	ccatctggga	agaggcactc	360
tgttttctcc	agaagttttg	catttggatt	cagatgggta	cattccaagg	aaacgtagnn	420
tccaqqtcca	tctctcgga	tcattnttgt	gaacttgtct	tccc		464

<220>  
<223> Genbank Accession No. AA035457

26



<222> (1)..(173)  
<223> n = a or c or g or t

<400> 80  
gcaganactn gagctttatt tacaaacttc cacagaatcc ctcaccctcc accccagggg 60  
cctccctctc tggaaactcag gcagcagaca agcttggggc caccacactg cccaacctag 120  
gacagctggg cctgagctgg gcgggcaggg gattccatct cctgggtggg gct 173

<210> 81  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA035540

<220>  
<221> unsure  
<222> (1)..(417)  
<223> n = a or c or g or t

<400> 81  
ttcccaaagt gctgggattc caggcgtgac acccgcgccc ggcccacagt tttattcttt 60  
acaggaggtc agtgcccatc atgttccttg tctacagaca aataaaaagc tgctctctcc 120  
agaggggagg canagtcctg atgggtccag gagaccaga agcttccagg agaccttcag 180  
tcccgagtcc ctttcagtca tcatcttctg agtctgactc ttctgtggac tcagatgagc 240  
tctctggcaa gtcgtctccc atctgctgga accttcccga ctgtgaatcc cacatgtatt 300  
tgatggtcac cttgaattca gccatctcat acccaaaaag cttcaggacg cgagcctgct 360  
ctgggggtcag cacatcgccc tccttgacac cctcgtaagt cagacagcag aagtcac 417

<210> 82  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA035638

<400> 82  
aaaatttgaa caagtattta tttcttaaaa tttacttaag ggattagagc taatatataa 60  
tagaacattt aatataacat ttggagttat gtcaacataa aaatagctgt gggtacaatt 120  
agcacatgca attcactgca aaggtaaaaa tacatgctat actctagaca agccttccaa 180  
atgaagttag agtagatggg gtaaaacagc aagtgaacat gaaaggattg cacttagaag 240  
aaagtgggac atagctagga tataaaagaa acatacctaa tgctagtcag tcaactgcatt 300  
gtcctactag caaattgcac atttatTTTT agagtatatt caatacacat acatatttga 360  
gactagagaa ttttcaaata tctacctttg aaatatccct ttggtttcta acacatcaca 420  
ttatgggtatt aatgtaacag cacttaaaac ctgtagtt 458

<210> 83  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA036662

<220>  
<221> unsure  
<222> (1)..(444)  
<223> n = a or c or g or t

<400> 83  
acaccggcaa cacataactt tattggggttt cttgagctct gtttataata ataatatgaa 60  
nacnccnggt nanaagctnn angnttgana angcannnt ncannttcc cgcccccaa 120  
aagcatttac catatgcaag gcaccatggt aaacacttga gagatccaca acaatacata 180  
aaacaacatt ccaaattcat gctgagcact tttttctgaa acacaagaac aaatctgaaa 240  
agttagggtat gtgactgtcc caaatTTTtgg tattatcata cagtgcagga agaaaacagg 300  
gatagggttta tcccttgaat ttatacaact tcccattgct ggactagtna ggttttcatn 360  
gggaattttt cttctccttt taaaaaaggg ctttaatggt ggnttttcca ttngggcacc 420  
taaaaaaaac ccccccncc ccaa 444

<210> 84

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA037058

<220>

<221> unsure

<222> (1) .. (393)

<223> n = a or c or g or t

<400> 84  
aaannnttac aaatattcan attttattat aaataaaata ctgtttttct taaaacataa 60  
aaatgccaan tggtgcattt tattaaccac cccngaganc aangctgtag anattaaggc 120  
aaacagctaa agtgaaggca catataaaan gtccacantt nnaattcaaa ggaaaaaaat 180  
tcagggaaaa atagcagtat aataatccct gtgtcaacca gcattctgca ncanccatcc 240  
tgtcaattac attacataaa atacagataa ctggagctag acaataaaat aatggctgtg 300  
ttgcgggagt gtaatttaag gtatcatctt gtaagaacc ttttatttta aaaaataaaa 360  
ttctgcttaa aaaatatacc acacagggtg gng 393

<210> 85

<211> 273

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA037357

<400> 85  
ggagataggg tcttgetatg ttgttgccca ggctggtctt aaacttctgg cctcaagtga 60  
tcttcccacc ttggcctccc aaagtccttg gatttcaggc accagccacc atgcctggcc 120  
acaaagacta ttaataagg aaaaatcctc aaaatgttac ataaagatca catcacaana 180  
cttttacata cagtgttatt ctgatttatt tttgaagggg taaggagaag gaaaatatat 240  
cacttttaaa acgtggaact ttcaatttgt tgt 273

<210> 86

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA037433

<220>

<221> unsure

<222> (1) .. (498)

<223> n = a or c or g or t

<400> 86

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ttcagttcaa tacagcacac ctttattgag cacctaagga tctangctgc canaggaggg 60
cagagtcgac aaaacagtgg gcaggcctcc cctgcagctc tctgtgtctg tgatgatgga 120
gctgggttgg ggaaatcctg ctgtgacatt tgcctgacg cagttccgca cagcatggtg 180
gcttccaagc tatgctcttg atgggcaccc gtaagagctt ctacatgcat tagagatgga 240
gcctctccta tctttgcaag cttttgtggt tcttcccttt aaatctgcca tccacggacc 300
tcaacaggag aataatttgg tcttcagttt gctctgtttt agacaaatac ttcacatgga 360
ctggatgtaa actgttgcac agtttcgcaa aggctttctc attcattcct gaaattctcc 420
atcagtcaca aacacaaatt gttcagtatc tggggaattc aaagcccttt cctcaaaaaca 480
gacatttctc ctctgtgc 498

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<210> 87

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA037766

<220>

<221> unsure

<222> (1) .. (551)

<223> n = a or c or g or t

<400> 87

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ttcactatgc agaattctac aagttctggg ctatgtgtaa atgtgcccc cttccctcca 120
ttatcaggat gtttaaagtgt gtttcccttt tttcatttaa aactttgctt agatgtttta 180
cattgccatc acctcttctt gagaaaaagg tgtgtccccc accccaaccc ctaggagcca 240
ngcagactat ctttctgagg ggccacaagc acactcccac ngtgagagaac aagggcagtg 300
gatgaaggga acggggatgt ttcaaactaa tgttttccct caaacaggcc tcccggcgcc 360
ngttagactt gaagcaatga catctattaa aatggggacc ccagctgggg gttaagaatg 420
ttngtttaag aatgatgacg atatcttgaa aagaaattct tggctgggga tggngtaggg 480
ggaaagggaa aaaaattaat tattttgact ttcccattgg caatgcttgc tacgtttaat 540
ctgattgcat t 551

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<210> 88

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA037828

<400> 88

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tttataatta gaaacacttt aattcctagc cacttggcag cacttaaata tcagagccat 60
ccaagcatgc cagcctttga acttgctcag caagagtaga tgatcacaca actcttaagg 120
taaatacaaaa ttgatgaag gttatttatt ggtgtgactt ttttcttta gtgagcttcc 180
tttacacagc atgggtgtaa tagcatcaga ttgaatgaaa agtttgtaa atgcaaccat 240
aaataattat aataaatata catcaagtaa ctttacagca cacatttttt agggccaagg 300
tttggatctg tctggacctc aatgtgctct cggagaagca gccacgttag cagcagatac 360
cttacagctt gtcactact caagtgatgg ccaacagaag cttctgaact cctcccgggg 420
agggtagctg acaagggtcca ttcaagggga tgagga 456

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<210> 89

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA039335

<220>  
 <221> unsure  
 <222> (1)..(452)  
 <223> n = a or c or g or t

<400> 89  
 ttctcagcat tttcaaagca ctttattgag ttctcgccg atcctgngng angtgggccc 60  
 cactggggga atgggacaca atcttgccctt ccatgccccca gccactctct cactgcggaa 120  
 tcaccaagga gggaaagatg agtccctgag caatcaggaa acggtgtgct cccggatcca 180  
 ggccaggtag tagggcacat cgggtgtagac gcctggcttg ttgcggtcac cacagcccga 240  
 tccccagctg atgatgcctt gcagggtgag ccggcgctct gcaagcttgg tcttcacaca 300  
 ccagcgggcc tccggaatca ccttggcacg catcggtgcc gccctcgagg aacctgcgc 360  
 agagcatgcc ggggaggatg gaggatccgt gcacgtccgg ggctgagcag cgctccaggg 420  
 agaggaacgg tacctgcgcc ttccctcgtg cc 452

<210> 90  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA039616

<220>  
 <221> unsure  
 <222> (1)..(428)  
 <223> n = a or c or g or t

<400> 90  
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 agtttaaatc aatgtcaaca gataaactcc atgaaatgaa agtttgtgct gtttgatgaa 120  
 tcacagtatg ttatggttaa atatatccac tcttttttat attcctggca ccaggatgaa 180  
 aaaaaaaaaat ctttaaatat acctcttatg taggtaatag cttctttgca tatctctctt 240  
 caanaaatat tttatngcag tatataaata gggttaccta cacatttcat tttataattt 300  
 tgtcccaaaa ctatagatct gtttcatttt catgacatat caatttttgc ccaacattaa 360  
 taaagctgac aaactcgggt gaaatgggaa atngcttttt gtcttccac aaaaaagta 420  
 gcnatttt 428

<210> 91  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA039806

<400> 91  
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 tgtcaggaca gggaaaagct atgcaggaga catggcctct agctctgttc aactgtcaat 120  
 tctgctgggg accctagata aatctgttaa cctctctgcc ctcagtttcc ccatctttta 180  
 ctcgagagtg tagatctaaa tgctagaaga gtactaaggg actcttccag ccactttttg 240  
 gcagggatca gacttcggag agtgaactca gggagcaaag aggtgaaact ggagcagtgt 300  
 gaggggttaa ggggaaggcg ctggcggtgc cgagcagggg agcacgtcgg gggtagagca 360  
 ccagggtcgg aggaatcggc tggccacag gtggcgacc tgggaccctc tatgtcagg 420  
 ggtacatgct gtagccaca tgggccgtgt agagtc 457

<210> 92  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA040087

<400> 92  
catttttgtgta cacaaggcca aggtcttggg ccacagacaa ggctatagat cctacgttcc 60  
agcttagagc attcagcttt tttttttctt tttttctcca acatggaatg tcacacagcc 120  
ttgcttcagt cactgttaat actagaacaa aataggcttt cctgcagttt tttcttggac 180  
gtaagaagta aaacgtttta gaaatttagg atactctcgc tttgccactg cccttaacac 240  
tgaggctggt gcccatcctc cagggttcac attagctaca tatgtaatct tgcatagaat 300  
gttgctccctg ctaatttctt gggttccctc tgggtgggctt accaagggtt gacaaatcat 360  
agcaacattt attttggcac ggacacatcg gttgtttaga ggagcactgt catgatccac 420  
agaaaaatta caaactatcc aagtttcagg gtcattttca gtcaaggctg g 471

<210> 93  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA040270

<400> 93  
gagatattca ctttattgca gtggtctgaa actgaacca caataactac aagggtatgct 60  
tgtaaatacc ttatttttaa caaaaagtga aaatgatttc cctgttattt actaaciaat 120  
agaccagaca tttgcatcag acagtgaagca taaacttctc tgatcacctc tcaagagaca 180  
tctcccattt ctcttttgac tctcctcaag atttctctgta agaccaaact ttatcttcca 240  
tatgtctcac aggtcagtg tcatataaac catcagttat acaacagcaa tttaatgaat 300  
ctcagagtga agacaaattg ccggtttctg agtagagggc caggataggt cacctggata 360  
ctcattgaaa ctaatgattc tcaacttctc ctgccttcaa ctcaccagag gaatattaga 420  
catccacttg ttagtggttc 440

<210> 94  
<211> 463  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA040291

<220>  
<221> unsure  
<222> (1)..(463)  
<223> n = a or c or g or t

<400> 94  
tttttttttt ttcaacaaaa ctgcagttta atttcagaaa atgttaaaat atatatttat 60  
acatcaattt ctgacataca cttaatgtgt tagtatacac aaaatgatgc tttcttttga 120  
aactgtattt angaaatgta catttttaatt taaatactca gtatacactg cacttaatct 180  
gcatgttgca tttattaaat acattaaaaat ctgcaatgta acaaaaacgtt ttctgcatac 240  
gaaattcaaa acaccatttt aaatgaacaa aagatggctc actttttttt tttttttttt 300  
acaactagng tatngtacac tagctcagct ccaccaaact acctgntcgt tcncctttat 360  
ttgacattgg ttcacagacn agtacatatt acnataagag tgcnggataa aaacctgngg 420  
tacgaaagtg ggttcccagg ntttttaggn cctggcagga tca 463

<210> 95  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA040465



<220>  
 <221> unsure  
 <222> (1)..(590)  
 <223> n = a or c or g or t

<400> 98  
 atatgcttgc aggttatatc ttagtgcaat tcagtcccaa atactttaat tttgaaaaga 60  
 aaaaaaaaca tacatttttg aatgtaaaat acccctacag atataaacag gggcgtttcc 120  
 cctcttaata ctttggtttt caatacagtc agtggtatag caaagactac acatacccaa 180  
 cttatattta agttgcaagc acatgctgta taagctactt tttttaaaaca gtccccttgc 240  
 aaactctacc ccccttaaca tcacaatagt aaacaattta gtgcatcaat cgtttaaaaa 300  
 atctacagct aaacagacct aactctttca aatttatcta taacattcct ttatctgtag 360  
 catacatttt aactgggcta acagattata aaaactagaa tttaaattata tactagaaac 420  
 ccagagcatt ccacatttga caatgaccaa aagccaaaaa atataaaata aaaataaaac 480  
 aaacccaaaa taatggggcg tttccctttt aaaaaataaa ttttagctgc ntctcggnaa 540  
 tanccaattt aggncccaag tggggcgcca tctattaaag gnacattagg 590

<210> 99  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA043790

<400> 99  
 cttagtatat actttaatgc atgtttatgt gcaatcttgt tagtgggtat acaagtttgt 60  
 gaagaacttc tcatttcaat aggcagttaa tgtaatgcat taaaagcctg ggaatttggg 120  
 gctatatattt tcctttctga ctcaataatc ttcaaagaat tcataggaaa gtcagtactt 180  
 gcagacaaagt ggtagcttg gctaaaatgt acaaaacacc cagaaccac aaacactca 240  
 gaggttttagg agaatgtttt aatgcttaag aggcaggatc aagtgaaga ggttacagaa 300  
 atcagtgtct ctggctgggc agtcaagaga gcgggctcaa attctgtgac tcacttctct 360  
 gtgtctccgg ttgggaaatg gaatggggta tcctgggttc ccacctttcc ccacacg 417

<210> 100  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA043944

<220>  
 <221> unsure  
 <222> (1)..(444)  
 <223> n = a or c or g or t

<400> 100  
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 tgaaaggcat aacagtttat attgtacaaa gcatttgaag aaagtacctc aacttgctga 120  
 ttattttcaaa atgagattac aaacaaaaag aaaacaaatc tggttcctca ataaagggca 180  
 aaataactga atacagtctg ttatttactt ctctctttta acataagggtt gggaacactt 240  
 catttttaca ataggattaa catgaacata acatcgcaac agcttgcaga caaccagcat 300  
 aaaatatgga gtacagtttt taatcagaag aatcatgctt ccatgaaaga aattataatc 360  
 gtttatacaa ttgaatcgat ttcagtatta caaaaactaa gttgcatcta ttcgtattta 420  
 gttcattaag aaggaaaacn aaac 444

<210> 101  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA043959

<220>  
<221> unsure  
<222> (1)..(398)  
<223> n = a or c or g or t

<400> 101  
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tgtggtgctg aataaatagg agtnnnnnnn tgggggtgggg tgggtaaggg attcagataa 120  
gccagaagca ggggtgatttt tagttggaat tgtaaaacttt agtcagcccc cacacgctgc 180  
tggggaatgt ggaatgttct agctctgaga tgtaactga gaaaagagaa gtcaaacaaa 240  
gccgatacgt gcagccctgt ctacagaatc cttcattatc cagtttaatc aggagtttct 300  
tggctcttcta ttaacttggt cccaaagaag gaattcaagt cctagataag taaatcctca 360  
atttgctgtt cctgaagta tggaaatgaa gttgggcc 398

<210> 102  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA044095

<220>  
<221> unsure  
<222> (1)..(441)  
<223> n = a or c or g or t

<400> 102  
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aaactcttga gctgcaacag gccttgacaga gggctcagga tnnngaaagga agaaggggat 120  
aggaaaagaa gaggtaatat tacatttccc ctttaaagta aattttagcc aactcatcat 180  
tctgaaatgt ccctataaag aatgagtcga actagaccag aagccagcct actccttctt 240  
acatagcttc tccaacaggg gtagcaatga cctgtccact tcaaacacag ataaggcctg 300  
ccantcctca ttggttaaag gcacaccgtg agactttcag tgggctctgc ttgagaagga 360  
aggcagccca ggagtcaggt atgcaggcat tgcattgtca gtgtctgctc tcagagttta 420  
cacattcaat tgcttccaag g 441

<210> 103  
<211> 538  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA044622

<220>  
<221> unsure  
<222> (1)..(538)  
<223> n = a or c or g or t

<400> 103  
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ggagtaggag agatacaggc caaaaagcag agagctacaa gggagagAAC aatcatgaag 120  
gaaaagccag ttagggtgaat ggttttcagt gaaggatggg acgtgaacac ggggccctgt 180  
gtgctggagc ttcagaaaat ggggtcaacc cccaggcacc ttttcagatt cctgcctcct 240  
ccccacagcc ctctgtgccc ctacctctgc tttttacctt aggcagaact ttgttttcct 300  
caaacgccca cttcctttcc ttatccccca aatacacaaa ccttgctctt tcctctccag 360



ggaaacgctg accagtttgt gtgaacgcc a tccccacac tcttgaaata tatctggaaa 420  
 gtgccggaag tgaactgggg gatccttgcn tccaaaacag ggatgggctc tgaacgcccc 480  
 accàcggctg tgcacgcggc ctctggtgag gaancgtggt cacgatggct tcaggggcg 538

<210> 104  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA044755

<400> 104  
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 gtcttttgtt taaattagtt gcattcagca tatatgaatt gtcttaaata ttttggggat 180  
 actccccgc cttttaaaca gggcataaga tctggtaaac tctctgtata tcttcctacc 240  
 tttcaaaatc gttcttaggg ttagtcaagt ctggaatata attgctgact ataaagttag 300  
 caattatgct ttttaagggtg tgtcacatca acctaaagag aaccatctat ggaaggatatg 360  
 gttgaaacat ctgtaggaac acagaactgg gatttcactg agtttaccac atcaactgtg 420  
 tgaactggtt ctgactgct tgctaattgg ttcactaat aaatgtttac ttataaaaa 479

<210> 105  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA044842

<400> 105  
 aaaggatttg ttccttccag tgacttgagt gtttttagtta tgcataagta tttctagcaa 60  
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 ctttttgagg ggggtatgga tattaaatgt tttcggtata tacttatccc tattaaaaca 180  
 ggcagttggt tctttgaata tgcctaaata acagtattct taaaatctga cagacaagta 240  
 acatgtcaat tacttgatat tccttgtctc cagtaccaca ggccactctt gacatcccat 300  
 gtttgccctgg ataaagtcc tcatttcaaa cagtatacat acttctttgc agttcattat 360  
 agtaaggctt aacctgtaaa cagtatctga tggcccacct ataaataaaa ttcagcattc 420  
 tatttttaat aatttgtatg ccaccaattt gtattatttg tctcaataaa tacttagtca 480  
 tcaatgcaaa aaaaaaaaaa aaaaaag 507

<210> 106  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045365

<400> 106  
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 ttttgccatt agttactata caaatgctgc ctagtgccat tatccaaata gcacaacat 120  
 tttacgtcca caattcactt ctatagttac aagtagaatt tttcacggag tttc 174

<210> 107  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045481

<220>  
 <221> unsure  
 <222> (1)..(428)  
 <223> n = a or c or g or t  
  
 <400> 107  
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 ggtcgtctta caaaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct 120  
 ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa 180  
 gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240  
 cagtgatattg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt 300  
 aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360  
 ttgggtcccct ttcttaaaaat gtgctggaga aaccaccctt aaaatcactt tcccccgga 420  
 tccngcga 428

<210> 108  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045870

<220>  
 <221> unsure  
 <222> (1)..(397)  
 <223> n = a or c or g or t

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 tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaataa tttcttcttt 180  
 acccccgttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtttgt 240  
 catccccatt gaaggagag ccttctcaga catgaagcaa gggaaacata ctgaatagtt 300  
 ttacacaaat ttgatctggc ttccatttgn cccctcatt tcccaaattg ttaaantgta 360  
 ttnggatttg ggattctcaa atggtataag ttggcct 397

<210> 109  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA046103

<400> 109  
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 tccaaaaacc ataaaaacaa aaagaaatac acacagaaga agcatgtgag gtgatgggga 120  
 agggaacagg gtctctagaa ctttggcaga ttgtgctggc acggaccag gtgacaggag 180  
 ccagaccatg gggctggtcc cgctgccac tctgggattg tgaagggatg atcgccactg 240  
 gcaaggacgg ggaggaacac agacttcttc gctgaggaag tggcaggcac cttgagtccc 300  
 tttaaatgcg ggggttggga ggaaaccatt tcagaggacc gcttttctcca ctgaaagctg 360  
 gggtggcga gttcgggccc act 383

<210> 110  
 <211> 509  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA046410

<220>

<221> unsure

<222> (1)..(509)

<223> n = a or c or g or t

<400> 110

```
tttttttttt tttaagtcac aggcgcattt attattgtct ggaacatcaa ggcctttcct 60
cccctggcag tggcacaagg gagggccaac tctcagnagg cggccagtgc caccagcagc 120
aggcccaatg ggtgggcagg ggtcnatgng cgggnaaaaa nannncctnn agctngccga 180
aaagctggcg atntcaggat cctgggcttc gtaggacttg accaagcgag caaacttaag 240
gacaccttcc cgtcgcagc tgaagccata ggtttgataa cctcctgctg gatctgcgtg 300
gccacgggca gcacgaattg cagcatctta cccatgtcgt tgcaggcggt atcccgagcc 360
tcgtccatgc gcactgcatt ctccggggcg gaaaacgctg gatcacctcc gcgagaccac 420
ctttgcttgc tcaacgctca aggcgcgcgg ttggggngaa gcggaccata aggggctgaa 480
antctangtt cnacggaggg taaatggga 509
```

<210> 111

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA046457

<220>

<221> unsure

<222> (1)..(475)

<223> n = a or c or g or t

<400> 111

```
tntggtaaaaa ggtcaaggtc tcaaaatgct aaatgatgag ggaaagtgta gcaagtatga 60
ttcaattcta ttaaaagaca gaanaatcaa ggtaggcact tgctcaaaac tacgtgagta 120
gtcagagagg agacacaaat tagctttggg aactcccag aactccaatg tgctccagtc 180
aaaatctttt ttaaaagggt cctttgtaaa cattaccctt cccccgatct ctgtgaccaa 240
ggttgccacc tgtgacatgg atttgcagcc tgcagtattg tacttccctt gcttggggcc 300
atctgtgcta ggacatgatg atttttctat gaaagcagct gttctcacca tcacaaccag 360
ccttgaattg gtggcacaac ctggatccaa atagtggctc tggagcaact gggaataggg 420
cccgggggacc atccaccag gtggcagcgc tgggctnaag caaaggggag tcagg 475
```

<210> 112

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA046674

<220>

<221> unsure

<222> (1)..(550)

<223> n = a or c or g or t

<400> 112

```
taaattgata aaaatagctg tgtactacta attaatagaa aatcattcaa ccaagagaag 60
agtcaagtga atatcgtttg tttatttgct agtgagtttc tttgtaacgt tgattttatt 120
aaatgataat atttggtttag tatgtcctat gttaataaaa atgaacaaaa ttaattttgc 180
tatgttcagg tgtcttgata aaataacaat gctccagtgt tggttgcttac atttagcact 240
aaattttaac acagggtcag tgagtccagg ttttaacttc ttcatgcctg gatgggataa 300
aatgtaattc attgttaaat taattcatat ttgtatttat taatcactgt gacaacatta 360
```

```

accattttggt cttaccagga agtgggtcaga ttatcatctg agttacagtt agactggcta 420
agttttggtat tagatcaagg ggaatgtcca gtaaacagag aggttaagcat gatggaaata 480
atgaagtggg gtcacaggaa aaacctgact agtgaggagg agcagctgag agatagggnc 540
agtgaatccg                                     550

```

```

<210> 113
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA046745

```

```

<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t

```

```

<400> 113
tttttttttt gatttgtgaa atagggttag caaaaatata ttgagaataa aaatcagaaa 60
ctggtaaaga aaagccaaat gaaaaaataa tacaaagtta tccccaaat gttgataaga 120
acctagcgag ttcagaagat agggccagggt gagaagtagg cccaaccggg ccaggcctcg 180
aaagtgtctc gcgtaaacta cacgttgaaa gtggacgtgt tattggcatt tcattcaaat 240
ccatgaggag aaaaaactac gggaggaaat cttacaacac cattgctgcc accacctgca 300
gggccagctt ctcactagga tggaaaagaa gcgtttctga ggaacaattc acattagtac 360
aaaaaaatga tacagccatt tccaaagagc agagtaatga tcacaatggc agtttcgagg 420
aatccagggt cagtcctcac acggggcctca cccagcctct cccgagtggc gacggcgctg 480
agagccagaa aggggggcacg cgaagacgag ttttngcgac ctttggaag cctacgtaca 540
cattcagagg ggtaaacat tcctttgcc ttactttcct cggccga 587

```

```

<210> 114
<211> 516
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA046747

```

```

<400> 114
tttttttttt tttttcagca aatgtttgtt gaattttatt actttttaaa caaattactg 60
agtaatcttc cttagtaatc atttctgtaa ctcagataaa aatagaaatt tataagagtt 120
tttatttttg ttacttgtaa aagtatatatt cctagagaaa atatcagcag tggtagagac 180
cagaaaaagt aagtgtgtgt gttctaaca gtgattccaa ctcaatgtgt tcagagaaaa 240
cactttgacc ctgtctgtgt ttacagtcct tgctgactgt gtactgtcgt atcctcagcc 300
ttgttctatt tctttatatt agctttacag agattagggt tcaagttatg agaatctcca 360
tggctttcag gggctaaact tttctgccat tcttttgctc ttaccgggct cagaaggaca 420
tgtcagggtg gaaacgtgtt tctctttcag agctgaagaa agggctctgag ctgcggaatc 480
agtagagaaa gccttggtct cagtgtactcc ttggct 516

```

```

<210> 115
<211> 560
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA046840

```

```

<220>
<221> unsure
<222> (1)..(560)
<223> n = a or c or g or t

```

```

<400> 115
tacaaatact gtaaaaaatta atataaaaaa gtgagcatgc tcagtctttt cctcttatct 60
acaatacaaa gggtttgtct gaaaagtctg gttttttttc tttttacaaa tgtaccttag 120
ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaataat ttaagggaaa 180
ataaacacgt ttagcttctc tcgcagttta gtggtggtaa gtccaggctg tagcttcttt 240
gcgctcctat gtcccaagaa actgcagcgg gcacccggcg gctctggctg cgcagggcag 300
ggcgcgctcc gctccggggc gtccgggtctg aggtatgggt cgttgctgag tctctcccgc 360
cccggccgcg cgttaccggc agtctgctgt cccggcggcc ggcagaaggg cgggctgggc 420
agctgcttga agaactgccg gagggccagg tcccgcgtga ntgctccacg cgctggtgca 480
gttctcgttt cagcgacagc tcacaacttt gtgcantcct ggttgcgccg cttggcttgt 540
ggggtttgcn acgggatgtt

```

```

<210> 116
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA047151

```

```

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

```

```

<400> 116
agaaaaacca ccatcggtgc acgtcgacga tgccaaatta tgtagcgtg acaganaaca 60
ccgtggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtggaac ctgacaaagt gcgcctgctt 180
tgatgtgaac tggatatagac aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240
cacaaaggct tatcaaatga cactaaagat aagttcaaca accatcacat tggaaggag 300
aaaggccgaa catttcatgt ttggccgggc atgtgagtgc acaagatgga aagagcgatt 360
ggagcatcct ggtataatta cccccattgt gctcttaatg gaaatttcaa aggacgggag 420
tattctgttg gttggtgtcc aggtttgtgg cactgttcca agag

```

```

<210> 117
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA047187

```

```

<400> 117
cagggtaaaa agcccaacca ttactttact ttaatagagg acagctactg gtgttaaata 60
catttattgt aaacttttaga cacaaaaata ggttctctag gccattcaca tgcacattaa 120
aaccaacagg tgcaaaactac aacaatgcat ataattatac aaatgatgcc actctgtgat 180
gtttacagga ttgctgtcca tgcaagggtga tcataggcat tatttatgaa gccttaagat 240
ccagaagtgt tggtactacc aaacctctga ttaacactgt gaagtaagt ttttggaagg 300
cagttccatg agttgggcta acatttcttt aaagcaaagt actgcttcta agcttagccg 360
tacaagagat tttggttgaa ctgaaaatat tag

```

```

<210> 118
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA047290

```

<400> 118  
 ataggtaaaaa tttttatttta tgaatgtgtg gacacatgac tttggatcca gccagccagt 60  
 gacataaata aacttgagca aaagtttcaa gctagaggat atatatgtat agaaaattat 120  
 atatttgtgt gtgtgtgtaa ggccctcttg aacagtgccaa caaacctgga caccaacca 180  
 cagaatactc ccgtcctttg aaatttccat taagagcaca atgggggtaa ttataccagg 240  
 atgtctcaat cgctctttcc atcttgtgca ctcacatgcc cgccaaacat gaaatgttcg 300  
 ccttctccct tccaatgtga tgggtgttga acttatcttt agtgtcattt gataagcctt 360  
 tgtgctcaca gagagacatc ccactgaccc agccactggg tcattggtct ata 413

<210> 119  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA047379

<400> 119  
 cagtttccaa atgggttattt tatcagattg tttgaacatt taattatcct gtttgcaatc 60  
 caaaaatagtt acctgaagtt tgctgttttg tgtgtatgtg tttactttta ttgtatattt 120  
 atttttctaa actctttggc acaattttct gggggcggtc agactgccac aatacaagtc 180  
 aggagaggggc gttttctttg tgcggccaaa 210

<210> 120  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA047704

<400> 120  
 aatgtcaagg caccacagat taaatatacct tttatttgac tcaaactgaa caataacatt 60  
 taaaacacac aatgggaagc agcgcagtta tctctcaaaa tagacaatga tggtttttta 120  
 agaggttgat aaagcatatg tagaaaagtc agaattgtcaa aataagtacc aaggagaaca 180  
 tatactttga aaagggggct aaaacatgta gctatacaat ctgggggttct tatcgattga 240  
 tggataagat tgattgagac agagtcttgc tctgttgccc aggctggagt gcaatggcgg 300  
 tgatatacgc tcacc 315

<210> 121  
 <211> 118  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA052941

<400> 121  
 ttaattctgg ggaaactttt atttttattt ctagaccaat tgactatggg ataggaaaga 60  
 aagttaggtg tcaaggataa agccaatatt tgactcaaac aatgtagagg atgttttg 118

<210> 122  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA052980

<220>  
 <221> unsure

<222> (1)..(327)

<223> n = a or c or g or t

<400> 122

```
tttttttttt tttttttttt tttttttttt tttgtttcac aatatattta atacaaaatg 60
gcagcagcac tgtgcagtta taacaaaatt agccataggg tatctggaga aatgtacaca 120
ggcagcctca gctggagtca tgcgagccaa ctccggcctg ctcggttagg gcctgtgcct 180
gctgcccagt cagctgtggg tggtcacacg gccaggactg gatggtgccc gtgnaagggc 240
ggtgcacaag ggctcagagg tgctgtacag gaggagccag tcttccaaca gtacacaaaa 300
gcacgctgtc ctcttgctct gcccccc 327
```

<210> 123

<211> 117

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053007

<400> 123

```
gaaattctca taattttaat gatcaatagc ttctgggtggg ctctggatgg tacagttaaa 60
caatagactt aaagacctcc cccaaagcac gtccacaccc cctcggcagc gtctggc 117
```

<210> 124

<211> 115

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053033

<400> 124

```
aaaatgtgga actagtattc attttttatt caaatatttt ataaattatc atattggagg 60
ccctatagtg tggtagttta cagcatgaac tctgtattcc aagtgtcac gttcc 115
```

<210> 125

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053102

<220>

<221> unsure

<222> (1)..(392)

<223> n = a or c or g or t

<400> 125

```
gactacaacc agtgtttatt cttgatttgt caccactctt ttcatagtct tgttttcttc 60
cacatgttaa atatataata accaaaactt tactaacata cgaatgaaga aaacatgcgc 120
aagtantngc atggcaggta gtgaggaaat ctggccagcc gactggttcc tttaccaagg 180
tttgagagat aggttgtgtt tgaacacctt ctgtgggtct gtgtcatttc caagttgaag 240
aatctcagcc aaagagcaac atgtcacatt gattaaagat ggtaaatgac acagaaacat 300
ttctgttaat actaaggga aaggctgttc ttttatttat ttatttttcc tgagtcctca 360
cgtttttctt ctctgacaaa tggttgaaat tc 392
```

<210> 126

<211> 327

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA053248

<220>  
<221> unsure  
<222> (1) .. (327)  
<223> n = a or c or g or t

<400> 126  
aagttttttt gctgtaagtt tattcaatgc aaaataatcc tctccaattt tactgagggtg 60  
gctgaccaca tcctcaacca aatccacctc taaactggaa ttcggttgct gaccagccc 120  
cagcctcagc tttgctgtnc ggcaccaggc ggcacagcac tccgtctgta gggtatctct 180  
gtccgctttc cctcttggtga gtcttgccgg tcgtcaccct tcagaccttt aggttgaggga 240  
cttccagctc ctggacggct gcagatagag tggcaggcac aatctccggg gcagatgaag 300  
gtaattcaac gggangaatc ntctgat 327

<210> 127  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA053424

<220>  
<221> unsure  
<222> (1) .. (431)  
<223> n = a or c or g or t

<400> 127  
tttgagcttt cagatttgct tttattggta gggaaattcc agagtgggga gccacccagg 60  
aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120  
gccccagcct tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180  
caggaccggc ttcagggcct gacttcgggtc tcctcttgac ccgccccgga ggcttggtgtg 240  
gggtctctgt tttgcagctc tcctgaacag agctagatga ggggtgggagg cccccgttgg 300  
ctcacacagt ggatgctacc atctccggcc tcttggtatgt ggagctctgt gccagagtca 360  
acagtctcca ggggtgggccc gaagttgttg taggcgntct caaggccgaa atctgctctt 420  
cctcagattc t 431

<210> 128  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA053660

<220>  
<221> unsure  
<222> (1) .. (427)  
<223> n = a or c or g or t

<400> 128  
atctaacaaa ggcactttat tgcattacca ttcacaatta acagtcaaga acaataata 60  
ataacaaata aaataacttt taagaggaca aggcattaga aataaaaaag gacactaata 120  
acattttgtaa aagcttgtag tggatgtggt tgccccatt tgtgtgtgtg gttgtgtgtg 180  
tgtggttgtg tgttggtggc cacagctgag cctctgtcac cagagaaggc tgaggcccaa 240  
tggcacacct cagaaacctc cccccgagg ctnggacggc tggactcctg agcacaagct 300  
ccctctcgca ccctttgcca gacagtttgt ctccaatttc aaactgacct aaggctctta 360  
ctcctggatt ttttgttttt aaaccttctc ccagccagtc ttcgggaggg catgattaga 420



gaagngg

427

<210> 129

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053662

<400> 129

```
atgtgcatta tttttttcaa gcagctacct tgttaggaca tacttaatag ttatcttggc 60
ctacctactg cacttactaa acaactgttc acttttttaat ttttaatttt cagatttttt 120
tgagacggat tggtactcta tcgcccaggc tggagtgcag tggcgtgatc tctgctcact 180
gcaacctccg cctcccgggt tcaagctatt ctctgcctc agcctcctga gtatctggga 240
ctacaggtgt gcgccaccac atccagctaa tttttgtatt tttagtagag atgggggttt 300
accatgttgg ccaggctgat ctggaactcc tgacctcagg tgatccacct gcctcgggtc 360
cccaaagc
```

<210> 130

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053680

<400> 130

```
ggaagtggca ggggaggtgc tgctgctcca gcgtatggga tgctgggagg agggccagat 60
gtcactgtga cctctccac tggcacggca gaaagtccca aacttctctt ggacttggag 120
tgtcgttctt ctttatgctt ctcttctgtc ttcttctttt tgctcttctt tgacttcttt 180
ttcttcttga tttctcggtc agaatcatct atcactaact cccagcctc tagttcccca 240
ccagaggatg agtctgattc taccagaata ggttcaagcc ctgaaagatc aagggttagca 300
ctgtgggact ctgcgaactg ggaggcgta gacccacagc cttcagggcc aggagatgaa 360
tgtgcgtctg aggatgactt gtgctttttc cgggctgttt tcagaaagct ctgtaactca 420
tgtcctagga gtaaagcacc ctgctc
```

<210> 131

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053917

<400> 131

```
cagagcagag ggtttttcta tttattacaa aagttgttac acaaatacag ctgaccagaa 60
ggtctaaaaa cagcccagac tcttccaacc ctcatgcac tgtagataga aggagagctg 120
tggtcttgct cacacacagg ggagcccttc ttagaagaac tgctgtccc ttggaagggt 180
cagagtcttg ggtccagcag cagagaggag cccaacctgc gtggacaacc ccttgaggca 240
gcccttggtc acagctgctc tgggtgggca gcagggttaa gtttcatagt tcacatgttc 300
ccaccacaca agtcaaatca aggcattgaa ataaaaggga aaaaggggaa ggctggaaaa 360
gggagcctgg aagaggttgc aggtagggga aggagacaca gtgggcttcc gagaagctgg 420
caatttcttg acttgatgag agtt
```

<210> 132

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055805

<400> 132

ttttttccac gttcagtcgc agttttattaa agttagaagt gtctccatcc accccctaca 60  
gaggcttgcg tgggtggttcc agtctgctaa atatttcaga atggggacct cattctatct 120  
actgatttat caaatctcat taattaattt cccttgctga tatgaggggt tgggagagaa 180  
gggggacgtt 190

<210> 133

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055811

<220>

<221> unsure

<222> (1)..(337)

<223> n = a or c or g or t

<400> 133

ttaagaattt ccaccacaa ttttattatt actgaaagca tttggaatga agcaaaggat 60  
ttaacaatat atataaaaat atacattttt taaaaaatcg caagtagaca atagatttat 120  
ggaattattt ttctgatcat ccagaaaaga tagcaatagt aaactgcagt tgggtngaga 180  
ccagccactg ngtccatgag acctaagcag ccctaacgct gcctgagctc tcaagagtag 240  
aagaaatgct cgacaaacag aaggaggctg tgggagggca gcaggacagc cccaccagaa 300  
aaccagagcc caaatgggnt ggggcagggc caggggc 337

<210> 134

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055892

<220>

<221> unsure

<222> (1)..(456)

<223> n = a or c or g or t

<400> 134

ttttttttt tttttttaat agaacaggtc aagataaggc tttatttcta tagaaatgat 60  
gctttgacaa tagtttggtc tgggtgtaagg ctcacaaaag aaaatcacat gtaccatgtg 120  
tgggttaagc ggtttgattc acactgaacc aggccagccc agttgccctc tgctgtgtcc 180  
accggtggag tggagctgtg tcacagccat cacactggta aactgctgta gctgggtttac 240  
caggctttct cttgccctga cagtacaggt gaagcctgta aataaatctt ctgctatctt 300  
tgtgaactta accaaatccc agttacctta tttaaatggc aatagatctg ttttccctta 360  
aactagaaac cttaattacc tgtattccta cctccagctc aacccatata tttgcanctt 420  
tccagtaagc aggttttgta ttttccatcg cccct 456

<210> 135

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055896

<400> 135

```

tttttgcaaa tataagaagt aattttattg caatatactg tggctagagt ggtctgggga 60
gaacggggaca ctttttgaag ttcagtagaa attataacaa ctttgaaggg accacagagg 120
aagaaaatga caggagaaaa ggacaaattg gatgggatga gaaatgaaaa cagaatcaca 180
tgacctagac gcagccacgg gggtcgcggg acagtcctcg gctatggctt ttcttttgaa 240
gagatgaagg tgacagtcac tggcacatgc ta 272

```

```

<210> 136
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA055992

```

```

<220>
<221> unsure
<222> (1) .. (441)
<223> n = a or c or g or t

```

```

<400> 136
ggtttgtttc ctttaattaa atctcaaatt tacaagagtc cagactgtct ggacagccca 60
acagggacac agagagtttt acacactgat gtctcaacag cacaggggtc catcgggact 120
tcgtgagaaa atcaggatcc atgtacgttc ttgaagagct gtctctcggc ctaagataag 180
tggagaagggt tgccttgga ggcgtggggta gaggtaggaa cagctggctc tctggccaag 240
gctttgnttt tttcgcggaa caaaaacccg acccacggga aagggtctgt ccgagtctgg 300
gggtcagaaa tttcctatca gtngagtgc gcaggccagg gagaggcgaa agggagtggg 360
agaggactgt gggcgaaagg gagaggggag gcccctgcac agcttcacca ggcgtcagtg 420
caggctcaga cggccggact g 441

```

```

<210> 137
<211> 531
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA056170

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<220>
<221> unsure
<222> (1) .. (531)
<223> n = a or c or g or t

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```

<400> 137
gctctttatt cgtgagtttt ccatttacct ccgctgaacc tagagcttca gacgccctat 60
gggtncgcct cgacccaacc ggcggccttg agcgctgagc aagcaaagggt ggtcctcgcg 120
gaggtgatcc aggcgttctc cgccccggag aatgcagtgc gcatggacga ggctcgggat 180
aacgcctgca acgacatggg taagatgctg caattcgtgc tgcccgtggc cacgcagatc 240
cagcaggagg ttatcaaagc ctatgnttca gctgcgacgg ggaagggtgtc ctttaagtttg 300
ctcgcttggt caagtccctac gaagcccagg atcctgagat cgccagcctg tcaggcaagc 360
tgaaggcgct gtttctgccg cccatgacct tgccacccca tgggcctgct gctggtggca 420
cgtggccgcc tcctgagagt tggccctccc ttgtgccact gccaggggag gaaaggcctt 480
gatgttccag acaataataa atgcgcctgt gacttaaaaa aaaaaaanag g 531

```

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<210> 138
<211> 462
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA056247

```

<220>  
 <221> unsure  
 <222> (1) .. (462)  
 <223> n = a or c or g or t

<400> 138  
 ttttttttaa acaggaatga atcattttatt caaacaaaac aaaaagctat ataattttga 60  
 gaatttcatt ttttgagagt aaaaactaca aaattgaaca gcgaggagga aaaaattctg 120  
 acaatgtgat tcaacattaa tccttttaaaa gtcactgtaa caaattttaa cataagtgt 180  
 ttatttttct attcacaaaa ctaattataa tacaccacaa tgaattttgt tacggtttta 240  
 tgtgtgtaat agaggggtata catctccata ctactagcta atttgtctgt ttgttcaaaa 300  
 gagttatttt tctctttttt tcttctttga gacaggtctc cacgctcttg cccaggctat 360  
 agcatnaagg gcacatcaca gctcactgca gccacaacct cctggggctc aaccgatcct 420  
 ccntgtctca gccttcaagt agcctggact acaggcacac at 462

<210> 139  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA056319

<220>  
 <221> unsure  
 <222> (1) .. (394)  
 <223> n = a or c or g or t

<400> 139  
 gccaggtttt gtttgttttt ttacaaagtt accgagatga caatatccat aattagctga 60  
 ctcttacgta cacactgtga cctgatcatc ctgaaaaact ttatggggga gaaaggctcag 120  
 cagcttctct ttctttttct tgaaaataat aaaactgcgt attctacttt atattttaat 180  
 gtaaggaaga aaatatacaa gcccatattt atattgtatt tctattaaga gcaacaatag 240  
 ttcatatgtt catgtttgct actatcacaa ttcaacatat gaacacagat cagctctata 300  
 ccatgaatac tgctggaagt gatgggttag gattaccaac ctactgctg catgaccaan 360  
 acaaagcaaa tgccatccct gggaaataaa ccct 394

<210> 140  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA056361

<400> 140  
 gaagcaagga gctaggaccc ccagtcctgc cccccaggag cacaagcagg gtcccctcag 60  
 tcaaggcagt gggatgggcg gctgaggaac ggggcaggca aggtcactgc tcagtcacgt 120  
 ccacggggga cgagccgtgg gttctgctga gtaggtggag ctcatgtgtt tctccaagct 180  
 tggaactgtt ttgaaagata acacagaggg aaaggagag ccacctggta cttgtccacc 240  
 ctgcctcctc tgttctgaaa ttccatcccc ctgagcttag gggaatgcac ctttttccct 300  
 ttcctttctca cttttgcatg tttttactga tcattcgata tgctaaccgt tctcagccct 360  
 gagccttgga gaggagggt gtaacgcctt cagtcagtct ctggggatga aactcttaaa 420  
 tgctttgtat attttctcaa ttagatctct tttcagaagt gtctatagaa caataaaaaa 480  
 cttttacttc tgaaaaaa 498

<210> 141  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA056482

<400> 141

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accatcaact tattttgtat tctataacat acaagactgt aaagatgtga cagtgtacat 60
tatatgacaa tgcacattag ccagcaagtc ttttataggt ggtttcagca gcaacgataa 120
gtaatgcaga attcagctcc agcactttat ttcaaaagaa atttcctgcc tccctccaag 180
atgcaggggtg aggaggtagc ttgggggttg ttttgagaa gtattcagtt tgctactttg 240
tgtcaccctt tgccattctt ttatccccag ttaattatta tctgcatata atataaatct 300
gctagaccat aaattaacag ctttcaggac agatgccttg aaagttctta gggagggtta 360
acaaatattg tagcctaaaa cctcctctat aacaaacatg cacacaatgg gaagtgatgt 420
cgtaagttag tgatggggca ggaaggacct agggctctgt ctcgactata aatcaccctg 480
gcccccaacc aattttaaatt attacct 507
```

<210> 142

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA056735

<220>

<221> unsure

<222> (1) .. (388)

<223> n = a or c or g or t

<400> 142

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aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60
tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240
aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360
agtttgaaaa ataatttata tgtctagc 388
```

<210> 143

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA057678

<220>

<221> unsure

<222> (1) .. (491)

<223> n = a or c or g or t

<400> 143

```
ggtagttcta tttcataaag aaaaaaatca tttactggaa tgagctaaaa tgctagagag 60
aaatccacag caataattat ccaaatatat gaacaatccc atcttcaaag atcattattc 120
caacattctc tgaggtgcaa ctaataattg ctaacttggc tgtgacttta cagtgcctgt 180
caatgtgatt tcaaggatcc cataagctat ctaatcacag tggatgcaca gtacatgtga 240
tgtgatcaga tgaaggtttg atcatgaact cnattaaaaa actgnaatat aagagagaag 300
gaaactgatg gggaaacact caagagcttt ggcaagatta gaaagggtta aggaggatg 360
gggaagaaaa gcnaggacat ctaagagtac agagagaaaac ctaatccaag gttaccagta 420
cataccacca atactgccat ggggaggaag gttcccgcgtg gtaatttggg acagaccggc 480
acccttaagc c 491
```

<210> 144

<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA058589

<220>  
<221> unsure  
<222> (1)..(517)  
<223> n = a or c or g or t

<400> 144  
tttttttctg taaaagcatt tcctctgaat attttattca gaaaaaaaaac aaaaaaagat 60  
aaggcagaaa caaaaatccc agtcatttgc agtatctggt ggctttcaat ttggctcctct 120  
tggttaaaaa aagaaaaata gtaaaattaa tctatgtaaa acatgccata tatattcaac 180  
tgctactaaa tataaaaagc tataaaactg tgtgttcaat tttggttact gtattatcac 240  
aacacttata ttaaaatatg tatactttta aatttggttt ctataaaaaa tggattctaa 300  
tccataaaa gttatttcct aatattcaat aaatggtgcc taagggnntt ttctntccaa 360  
atagcaattt tattccggaa ttttaagggtg ctcnaaaatt ccatttaaca gggtgagaat 420  
gctgnattat taccagttag naaagttacc ggnctagagt ttattccgtt tagagtccca 480  
tccngatana atttgaaccc ctctgnttc ttacaac 517

<210> 145  
<211> 607  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA059489

<220>  
<221> unsure  
<222> (1)..(607)  
<223> n = a or c or g or t

<400> 145  
caaattttat ttgtatacaa aaatatatta taatngaaa gcttactgct atttccaact 60  
atatataatt aattacaaat attttcataa aagcacttta aattacagga aagctatggt 120  
ttaagagaaa atacaatatt agcatggatc gtctgttcta atatgctgca agaggtaaac 180  
aaagtcagtt tcaactgtcta aattgcccag aaatgggatc aagggtgat ttttaagggtga 240  
gcctgagagt ggcttggtag aagggttnagt gcacgtcttt gtcccctctg gcagcagatt 300  
ctagtagctg atttttagcag gtccctcgaa ctttctgaag cttctccctt atgatgaaag 360  
gaccagaac ttcttggttc acatacttgc taaagttttg tcaagatcag caatgaaggc 420  
ttctagctcn ttngtgtctc ctaatttagc tttctgagga gtgacagtgg cagagagaag 480  
agctggggta gagtctgttg gagaattcag ntttcatca ctgaagctga gctgttccta 540  
taaagtgaat ntgcactctc cgagtcgctg aagccgctgt tgtcgctgcg cttggctgct 600  
cgcnttc 607

<210> 146  
<211> 457  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA062721

<220>  
<221> unsure  
<222> (1)..(457)  
<223> n = a or c or g or t

<400> 146  
 ttttttttat gccaaatccc attcccaaga tgactatat ttatagttta ttatgaggta 60  
 actgcctcca gacagataag cccctgcatg atgctgaaag tcagagcctg ggggtgaatg 120  
 ccaccttata tttgtcctcc tcagctgggtc tgcgtgtctc tgctcagaac gctgtgtagt 180  
 agtgctccat tgtgctgaca atgtcactct ggtcctccag gagctccaga acttgctgca 240  
 gcacagcctc gctcaggccc gggcggatnc tcaggcgagc acaggccaag atgtgcagga 300  
 agtgacagcc cttctccatg tgatttggtt tctggcagtc ctgctgaatg atccgggtga 360  
 tctttctgtg caggctcttg tcttctctgg ttacatagta taggttatca aaaccatcat 420  
 ctttctggaa aacaagtcct ttttctgca gcagttg 457

<210> 147  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA062744

<220>  
 <221> unsure  
 <222> (1)..(504)  
 <223> n = a or c or g or t

<400> 147  
 ccttccatct tttttccctt tgctcaggca cctgcacagc agctcaggac cactcagtgg 60  
 tggtccaac ccactcagtg gcctgcgctg tgggagctgc tgaccaatcc tcagtggctg 120  
 gctgtgcact ccagtcttcc gtggggaact gctggatggg cacagaggga acctgcacac 180  
 cctcagacca gtcggccacc tcaggctgag cagcagtga ctcaggagct ggtgcggtcc 240  
 attcaccctg gaattcctcc ttggtcacag ccttctcagc agcagcctgc tcctccttct 300  
 caatctctc tgggtctctg tangaagtaa agatcaggca tgacctccca ggggtgctca 360  
 cgggagatag tacctcgcat gcggagtact tccctggcca gcatccacca catcagacct 420  
 actgagttag ctcccttggt gttgcatggg atggcaatgt ccacatagcg caggggagaa 480  
 tctgtgttac acagagcaat ggta 504

<210> 148  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA065173

<220>  
 <221> unsure  
 <222> (1)..(333)  
 <223> n = a or c or g or t

<400> 148  
 ntttttcatg aagaccagt tattttacat gcttgetttc acattcttta ctgggaattt 60  
 aaggcctttt ttcagcctta acttgataac caacctcaag gattttgttt gatacagaaa 120  
 aggatagggc tgggccttct gccaaaggact gataacctgc ctgccaaaag gaagagggaa 180  
 tgaaagcctt ttgtccttct agggccctta cagtacctca aaatctaaag gccttaaagg 240  
 ggaaaaaac cgtatctgtt ctttctcctt atctcctacc cttctcttta agcatattga 300  
 agatggactt ttttccaaat gtttatttgt agg 333

<210> 149  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA069456

<220>  
<221> unsure  
<222> (1)..(267)  
<223> n = a or c or g or t

<400> 149  
accgagtata ttctgtttat tgtttatgat ttacacagaa aatgatgggc tgggggttata 60  
gaacaataaa ccaaccatta ctttagacc tgggcttttg aaaaacttgc attccatttt 120  
aacaattcgt atgtatctaa caaatacata aatccagatc acaaataatc ttaagagtta 180  
aacaattaag aaacacaaag aataccacat agatctacct ttaaataatca gcattcatat 240  
tataagagat aagaaaatgt tanaaag 267

<210> 150  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA069696

<400> 150  
attcacagca tactttttatt taccaaagta catcgtacat tatacaaatc ttaattacat 60  
ttacattata catttataat attaaaattg tgcgagtagt cttcaaatat ctgacaactt 120  
tgggggtcagt gaattattta agaaaaaac tcagaagagt tttgaaaaag gagcagggtgt 180  
gattctacaa attcaatatg aggcaccagt gggagaagtc aattggatga gcacatgaaa 240  
tattaggagt gtcgtgagg gggaaagtaac aggtctattg tgtgcagtgc tgggcaggct 300  
gcatatggag aatgtgttaa aagagcattt gcaaacttaa gcattacttg aagatattaa 360  
acagaatgat ggaagcctgg tctttgatta tttattgctg acatatgcat tgcagtgatg 420  
gcattaa 427

<210> 151  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA069768

<220>  
<221> unsure  
<222> (1)..(519)  
<223> n = a or c or g or t

<400> 151  
aaccacanaa gagtagcagt ccattttctg gaagngcgca tgatattatg ancaatacaa 60  
atgcattatt tttatcatta atagtntaat cattaattat cncanaagtc aatgcagaga 120  
gtgaaattan tntgaattaa acttcngttc anaatgtaca gtattttgca tatgtngact 180  
ttacttaatn gtncattntt gtttccaaag ttaangttaa atacctggtg cataggttgt 240  
tgtcaagcaa ttactctcat tgtcttgta tacatgctaa cattttgcta aatataaatc 300  
tacaagtatc acagctgcat atattttctga agtggttaga acagaggagg atgctggaaa 360  
gttgagttct ttaaaatctt cgttcaaaac aagagatttt catctatgtc ctcttcttta 420  
attccaaagc agtggnccca ctcttcagg gtgatgtgct tatccttntt ggggtcacac 480  
tcntcaaat aaacgggtta tgccagtgtt ccatgggcc 519

<210> 152  
<211> 396  
<212> DNA  
<213> Homo sapiens



<220>  
<223> Genbank Accession No. AA070090

<400> 152  
ggaatcccag ctccacttac caggccgcgg ctaccccgcc gtcccccccg actcccgcc 60  
ccccgctctc tcaggctctt caggatccaa gtccgtaggc cctttaaggg gtctagttgc 120  
cgtttgcgag gccctgggac tttggtccca gacagcgggg atccggatgg cttccgtgcg 180  
gatccgagag gccaaaggagg gagactgtgg agatatactg aaggctgatt cgggtgaaga 240  
ctgcaggagc tagccgaatt cgaaaaactc ttcggatcag gtgaaagatc agttgaagaa 300  
gcccttgaga gcagattggc ttttgagac aatcctttct atcactgttt ggtagcagag 360  
attcttccaa gcgcccggga aagctacttg gggggc 396

<210> 153  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA070091

<220>  
<221> unsure  
<222> (1)..(417)  
<223> n = a or c or g or t

<400> 153  
ttcaggacat gtaattctta tttatttttc accctcaaca aggaagaaag gtctctccct 60  
caattctgct ctccaatac ttgaggatag gcaccctaa cctccttcc tccagggagg 120  
cctcagcatc agtgtctgtg gacgtanctc tgaagagtgc ttcagctgat ggggaaggag 180  
aaactcaaga cagagatcct cctagggatg gcgtcacttt cctgccact ttctcgttgc 240  
ctctccttga aagcagaaga agtgccagcc ctcagcttcc gtcagatctt gggctcctag 300  
ggccttgtag aagtccatgg ccctctgggt ccagtcagg acggccaggc agaattggga 360  
gcagccctta tccaaggcca ccttcagcca cctttttgat tattttggaa ccaatcc 417

<210> 154  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA070191

<220>  
<221> unsure  
<222> (1)..(429)  
<223> n = a or c or g or t

<400> 154  
tttaaaatta aaaagatata ttttttaatt aaaccctatc tctattagtc cacagttctt 60  
ttctgcatca aagccattga tccaatttg acctgattaa atgtccctga agcactgagg 120  
gtaggaccca gagtgctgtg ggtgagagga gggagctttg tgccctggg acccttgaca 180  
aggtgacaaa atgcctgact agaagccga gtagncaaga gacaggtgtt cagattcctt 240  
gagccagaaa aggtgagatg tgtttctgtc cagggtggca agaactggcc tgctgtcctc 300  
acagcccagc cactcaaaag gggcatctcc caagatgant cctaaatcca gtcaagggtga 360  
cagtaaagac tcggccaact gaagttcctg gggagtggcc tagacaagtt ttacaggact 420  
taatctttc 429

<210> 155  
<211> 353  
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070206

<220>

<221> unsure

<222> (1)..(353)

<223> n = a or c or g or t

<400> 155

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tttttttttt tgaggcaaac agtcttttatt ggggttcacac caggagtcg tttgtcttga 60
ggacctctgt gaacttgacag attttcttct ccacattctt ttctgcctgt ttccgtaacc 120
tcaagatctg cttcttcttc cgatagtgcg tcttggcctt ttcttccgt ttctcctcca 180
gagtggctgt cactgcctgg tacttccacc cgacctcatg cgccagacgc cccaggtaag 240
caaaactttct ggtaaggctt cagcgaaaca accttgagag cagcaaggga ccaccantcc 300
gcttttttctt gncatagggt ggagggattc cattcaaaaa ctttgaange gct 353
```

<210> 156

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070485

<400> 156

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tttttttttt tttttttttt tttcagggtt ggacttctta accatctttt tgtttttctt 60
tttgcgaactg ccatagtcac tatcgtcac atcttccatt aggaaatctt catcgctgcc 120
ggaatctttc tcctggaatg gtgcctcatc ctctctttct tgttcttctt cactgcccac 180
atcttccatg agcatctctc tctggtttaga agctgcttta gatgccgctt gccgttggtg 240
gcgcacattt ttatgat 257
```

<210> 157

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070827

<400> 157

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ttgtgggcaa accttgtttt aattgcaaac gacttaattt acagcacatt caataatgaa 60
ccaacaggag agttgctgac tttgtaacat atgaatatat aaaaatccct tgcaattcag 120
gtagtcaagg taaaaagcgc atacaaggaa ggcaatcctc atttttctga aaatgtttac 180
attttaaaag gtgactagac atacttgga gttcaaaagca gtaggatgta gcttgcaggg 240
aaaagaaaac ctttttccat gttgttaggc agaagtatat caaatatatc ccaattccac 300
ttgataaagt cagttggatg acctcctttg aaccaatcta gggcagaaca cttagtaaaa 360
gcgggccctg ggtggggatg tgaatccagg agaagagggg cacagatccc atgcagcgcc 420
aaacacatcc attccaccct ctaacacata cgaggcatgt cac 463
```

<210> 158

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA071387

<400> 158

```
ggggctaaaa ctaccctga gtgtgggtccc acaggatatg tagagaaaat cacatgcagc 60
```

```

tcatactaaga gaaatgagtt caaaagctgc cgtcagctt tgatggaaca acgcttattt 120
tggaagtctg aaggggctgt cgtgtgtgtg gccctgatct tcgcttgtct tgtcatcatt 180
cgtcagcgac aattggacag aaaggctctg gaaaaggctc ggaagcaaat cgagtccata 240
tagctacatt ccacccttgt atcctgggtc tttagagacc tatctcagac agtgaaagtg 300
aatggactg atttgcactc ttggttcttt ggagccttgt ggtggaatcc ccttttcccc 360
atc 363

```

<210> 159

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA074162

<220>

<221> unsure

<222> (1)..(349)

<223> n = a or c or g or t

<400> 159

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tgctgtttta tcatacatgtt ttacatggg gcattcactg ggtgtagagg ctggccgcaa 60
atacagatgtc ccgccgtagc aaggtagccg ctgtctccat cttggcacc agcacaggct 120
ctcctaccag gcgggctngc ccccgagcgt gagcgacaca tctnagccag gcgctgaatg 180
cagcggacca ccaggccctc aggggtccct gagagccctg ccaactcgna gaagggcatg 240
cccggtgccc actcatatac aacctcaacc aggcccaaaa ttcagctccc ccacaaattc 300
ctccacngtc tggtttaggc cacaagccac cttgggacct cancaatcc 349

```

<210> 160

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA074514

<220>

<221> unsure

<222> (1)..(330)

<223> n = a or c or g or t

<400> 160

```

gtgtttacta caaactgttt aattgtttct tatcccaata actttacaaa tatagaacca 60
catgctagtc tgggggtgct gtgcagttag tcaactacaaa ctcgctcagg cacagcttaa 120
tgccgctgag atccatctag gagcagtcct agcgggtggc tcagccagtn gaggaagagg 180
gctttggagg agggctgcca agtgtggcca ggggacccgg cctcagggtc gtggagggtg 240
ttcaacagca cgatgctcat tctctgtccg tagtgtctcc atatactttc tcatcttctc 300
caccatccag gagggtagga caaaggattt 330

```

<210> 161

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA074885

<400> 161

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ttgccaatga tgttgagctt tattaatggc ccctctccag aggctgctca gttgtcccca 60
gggaactcct cagagatcct ctgccttccc acatatgagc ccgaggacac ctgaggagca 120
gagaagtgaagg ggtcagacgc tgcactccac gcctgcgtcc tcctcgtggc 180

```

tgcatgcatg atggccccag ctattcttgg tgcagctcca cagggtactc tccgtgcccc 240  
gacactgaac aa 252

<210> 162  
<211> 562  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA074891

<220>  
<221> unsure  
<222> (1)..(562)  
<223> n = a or c or g or t

<400> 162  
ttcaacaatt tccctttatt taatotccat attcatgtcc cctaaatata tatatatattt 60  
gattttgtta ggagaaaagga gatttgggat tgggtattaa cacacacagg gtgcagaaga 120  
agcccactac aattgcttgc cttggaaaagt aggacctggt cccagatact cgccaggaca 180  
tggtggcag ctccctcaagg aggacaacag gctggcagct gcgtgagact atgtaagtaa 240  
tggaagtctt ggggtgcaga ccattatagc aaccgcgtga gattcttgtg gacagtctgg 300  
tttccctttc catcatcaga atccccctga ggtgtgtact gaacttggtt ttcctgaagg 360  
attttaaaaa catcatgggtg tccaaagtgt agtgcttcat ccatgggggt attattccac 420  
ctgtccntgg ggaaaggggt tacctttgca agcttccagc aaaaacttga caactttcaa 480  
catgaccctc tgctgctgcg acatgggaag gctgttctgg agtcatatcc cgctgctcca 540  
tgtccanggc tgacaaagca ac 562

<210> 163  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA075298

<400> 163  
taatcaaagt aagcaataat gacaggttta ttgaaaattt ccagtagaga aaaccacta 60  
gttttggaat aaaagtactc aatgtacgag agcataagtg aatacaaaaag attaacagaa 120  
ggaaaataaa accaaacata gtacaaaaaa atttaaaaag tttgaaatga attcaaaactg 180  
ggatgttctt taaatcctcc aaatatttaa cagagttact aagtttggca aaaaattca 239

<210> 164  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA075299

<220>  
<221> unsure  
<222> (1)..(328)  
<223> n = a or c or g or t

<400> 164  
tttttttttt tgtttaaaat catttattat tatcaggagt gccttttagg tggaccgctc 60  
tgtatgactc tcatgtttca aaactatttt ttattcaagt gacttacaat ggccctagga 120  
aacaagttct gttattatcc cccattttta aatgatgaaa atggacaaaag caaaagcaag 180  
caacttaacc aataccccat ggcctcacag cctttagaat agtcatatata tataaatatg 240  
gcaataacaa tgcnctgaaa atgtctccaa aacaaaactct acatttttaa aaatgtataa 300

caggaatcta aggaaggggt cttacttc

328

<210> 165

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA075580

<400> 165

```
gtttattagg cagcagctgg gaaatcagcg gttagacttg gccacacgct ccagttcatc 60
tttcttcttg atggcatagg aattggagga gcccttggag cattaatgag ctcatctgca 120
aggcactcgg cgatggtctt gatgttccgg aaagcagcct cacgagcccc tgtgcacagc 180
agccagatgg cctgattcac tcgacgcagt ggggacacat ccacagcctg tcgtctcact 240
gtaccggccc gcccaatgcg tgttgagtct tctcgggggc cactgttgat gatagcattc 300
accaggacct gcagagggtt ctcaccagt agcaggtgga tgatctcaaa ggcatgcttg 360
acaattcgca cagtcatgag cttcttgccg ttgttacgac catgcatcat catggagtta 420
gtaaggcgct ccacgatggg acattgtgct ttgcggaagc ttggcagcat accgtccggc 480
actgtggggc aggtacttgg catacttctc cttcacagca atgtaatcct gcagagaaat 541
a
```

<210> 166

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA075722

<220>

<221> unsure

<222> (1)..(609)

<223> n = a or c or g or t

<400> 166

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taactgttaa gaaaattttt gtggttttat tgtatcatga ggcattgaaa catctgaaca 60
aatcaatata tgggcgggtg gtgaggcagc tgctttctcc ttcacttctt tgggttacta 120
gagcaacttg tcagtagatt aaaaaaacaa aacaaaacaa aaaataaaac aaaaacaaaa 180
cccgacaatc gtttgcatta cttaagtctt tccaaggcat gcgctggtac aacacaaact 240
tctgtcaga tgcgactagt ctagcatcca aacatcatgc acaacaccgt ggtgacagaa 300
gcgccctgca cccgctccc cctcggccct gctcgtttgt gtatgatatt tggagcatct 360
ggaggagtga gctaggattg ggaagaggga ggaggaaaca gcgtgactgt ggccaggagg 420
aggtcagccg aagttgtgca gggcaagcct gaacatgtca ttggtgcnaa cccaagcat 480
cgttgatggt ccttaataga aacatctggt ggaaaccctg atgggatctt catcagcctt 540
gagctgggcc acaccatgct gatgatgcag ctatctggtg taagctggtg gtcctgcgcc 600
gtgatgcaa
```

<210> 167

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076138

<220>

<221> unsure

<222> (1)..(430)

<223> n = a or c or g or t

<400> 167  
 taaactgaag gtgggggtaca tgggtgcagct ggttctgtca ttgctcagcc tagttggcgt 60  
 ccagcttggc catttccctgc acatagatgc ctatactctc gctgtcaaaa agcacgaagt 120  
 acaccgtttt gatggaagag gacattgtag acacgaagta actggagatg gccttcagaa 180  
 tcagctgagc tgctgtctgc tttggaaaac cgttccctgcc gctgccgatg gatggaaatg 240  
 caatggattt cagcttctta tcatcagcca gggccaagca gtttttctact gtcttttcca 300  
 gaagtctctt acacttgtct gcaccccaaa ctggactatt acagtggatc acaaacttgg 360  
 caggcaggcc atggcnggct tgacagcagc tccagctact tccaagggcc cgttcttttt 420  
 ccggagttcc 430

<210> 168  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA076238

<220>  
 <221> unsure  
 <222> (1)..(451)  
 <223> n = a or c or g or t

<400> 168  
 gacacggagg ntcgcncttg ttgcccaggc tggagtgc aa tggcgcaatc tcgactcacc 60  
 acaacctccg cctcccaggc tcaagcgact ctgctgcctc agccttcccg agtagctggg 120  
 attacaggca tgtgccacca cgctgggcta attttgtatt tttagtagag acagggcctc 180  
 tccacgttgg tcaggctggc cttgaactac cgacctcagg tgatccaccc acctcggcct 240  
 cccaaagtgc ttggatcaca agcatgagcc actgcgccc gccataaatg tgtacttcta 300  
 acataaaaatt taatctgggc tgaaacaaat atttggacca tagtaaaatg ctttctctat 360  
 aatttggtcc ttcctttctt ttttctagca agcttcagag ccaacagggc gcttctctctg 420  
 gaaggtgaag tcatggtgac ctactgctct t 451

<210> 169  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA076249

<400> 169  
 tgcgtgtgtg acccagtg tgacgtttga ggaggccctc caccaccagc acaacagaga 60  
 acgggcctcc ttcatcactg atggggagca gctcccagc ccccgccctg cacctctgct 120  
 ttccagaact cctgccgctc catctgccaa aagggaacct tctgtagggg agcacaccgt 180  
 agaagtgctt agagagtatg gattcagtc ggaagagatc cttcatgctg cactcagata 240  
 gaatcgttga aaagtgataa gctaaaagcc aatctctgac tcaggcttat agctcaagag 300  
 aatctgaagg ctgcatctcc acttggggag ggatgccac aattgtgtgt atggaaatgt 360  
 ggatgaacag caatgaagtc atccaaatat cccaatcacg atccaacgaa a 411

<210> 170  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA076326

<220>  
 <221> unsure  
 <222> (1)..(361)

<223> n = a or c or g or t

<400> 170  
tttgcgcaact gaacgttgct ttattcattg gttaattttc ctaacagcgt tgtaaaccaca 60  
ggccgggatg tcctgagcgt tctggcagag gcccggtgcag cctcggcccc ttccgggtccg 120  
cgctanctgg cctttgccct gagctccctc agcttcgcaa gatgagcttc ccagacgggg 180  
ccgggggctgg gctctgaggg aaaggcggtc ccgcaggtct ggggccgcct tcccatgttc 240  
tctaaagccc agcacctgtg gttcgttggc ggggctcgtg ggattggggg aagggctgtg 300  
gtttcgaggc cgtctgtggc gccccagcc cctaagtctg cgagacgccg gccccgcctt 360  
t 361

<210> 171

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076383

<400> 171  
tttttttttt tgtaagaata gtttttaatc ctttttctca caagcagtgc acagtggggc 60  
ggcagtaact aagtacctta tcctaatact ggatgtgctc atacaggctg tcaatttggg 120  
tccgaaagta ttggaaaagc tctcctcgct ttgctttcaa tgttgggtgc aagagcccat 180  
tttcaatgga aaatggctct ggatgaagaa aaatggcttt gacctgttca aaagttttaa 240  
ggccactttc tttcccaatt ttctgcaagt cttctaaaat ggcttccctt acaacttggg 300  
tttggcacag ttctcaaag gagcccttca ccccaagctt ggctgcaaat gaggggaagta 360  
catctgtgtc aggaaccacc actcctacta aaggatgacc gtaagctctc cccgtgtaca 420  
aaaatttggg aacactgggt tgactcctgt tgtaga 456

<210> 172

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076672

<400> 172  
ttttactttg aacattagca ttaagttggt taccgtacac atccaaaggc ccagcatctc 60  
agaaaaaatca ttaggcggca cacctgtacc agagtctcac aagaataaaa tatacaatgc 120  
tacattgagt gggttaaaaat acacaaaaaa gtagttttta caatctataa attttttata 180  
cttaaaatca tgattgagtt gaaataaaaa agtgcatttc aattgctaaa aaaataatat 240  
cggatatagtt aacacaaggg ggaaatcagt acattgaggg atctgacagg atgctggaaa 300  
aaatgactca ggggaagccg gcagcatggg ctccctttgga gattcaggag cggctcagtt 360  
tccacctcac tgcagttccc tggggccaag cagccctcct ctccccagta tctttcccat 420  
cttaagagat c 431

<210> 173

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA078862

<220>

<221> unsure

<222> (1)..(417)

<223> n = a or c or g or t

<400> 173

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agccttagat ccaaggacag tccaaggaag tcctaagacc atggagttgg tgatctggga 60
tctgggtttg ctgatatttc tcaccgtgaa tctcttgggtg gtgtttgtgg gcacgagagg 120
ggcagagaat ggagagttag gctaccacat gaagcgtcac cagagctgct ccctgctgcc 180
tgctcagagc acccggatc cactgttcaa tctgcacaag attcggggtc cagacatggg 240
agacttcagc tgcctcagag gaccgtggac agggaaggcc agcctcgcat ccctctgtcc 300
atgcctggaa atgactttta ttaacccaag agtttttaaat ttttggaant ttgtaagctg 360
tcggttcacn tttttaaccc acccattcaa ttaaaccntt acaggaattg gcnaaaaaaa 420
aaaaaa 426

```

```

<210> 174
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA079758

```

```

<220>
<221> unsure
<222> (1) .. (382)
<223> n = a or c or g or t

```

```

<400> 174
ggtggtcctg agagtgggtgg gtgccacctg tccggggcgg agagagggcc cgaggcagtn 60
taaggccaat gngggagaag caggggggctg cagctgngcn atgcggtgaa gccaggccga 120
ggcctggagc agctgtggta ggccagggca ggggtggaagg caccggactg ggaccggggc 180
agggctacag ggccgaggac ccaggccaca cgggcacccc gggaaggcgg ggcacaaggg 240
tcacgtgaca cagaacatga aacacaggca cagggttcac agtaagcaca ttggacaagt 300
gggcacaggg tcataggcca gatgcacatc cagccatggc tggggccaga cacttggggc 360
acagtgggtg tgtcacacac ag 382

```

```

<210> 175
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA083812

```

```

<400> 175
tacttttttt taaaagattt ttttgtaaag aagggttgta tttagaggcc agtagctaga 60
gatccaacca gtggacctct tgaagcacta ccaggcctta aggcaccatc cgaggagagc 120
tgggaaaact attattcacc caagcctccg gaaatgtaat gtaccagcag gcaaaaaaca 180
gttcttcatg tagtacaaaa tgaaacgaaa caaaaacaaa aacagaaagt aaaaatgaaa 240
ccaaaacatt tcttaaattc tagtgccata gcttttttgt ttgtttgttt tttgttggtg 300
ttttgttttg ttcataagaa agagagaaaag atactactta tccgtcagac acatgcatcc 360
tcatgtggtc gttgaactgc tccgatttgg tcaa 394

```

```

<210> 176
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA084286

```

```

<400> 176
tatttttaac tttattttta ttgttgacac tattacagat agaatgacca caaccatatt 60
aacaaaccaa aaacctgtgc acagaaacaa gatgaagaaa atatatacaag atgttaacca 120
cactcttttg atggtgaaaa catgggtgag tttctcttct acatttctgt aacttcaaa 180
tttctataat gaacacattt catatataat ggaaatatat gtagtaaagg tggactacca 240

```



```

aaacactaga atgatgacct ttcaaggaaa ccgaaacaaa ataaccataa tcccacaaca 300
accacacaac tattttcttgt ttttcatctt tcttcccatc tttgacattt atgcatactt 360
atcactaaca ccctaataat cacagactag tgcacagatc aagatggt 408

```

<210> 177

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA084318

<400> 177

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ttttttttga aaccaagttc atctttatct aaaggattga caatcccatt ttaaacaatt 60
ctttgattta caaagagggg ggtagactcg ttagcctccc aaccttagct taaatcgtga 120
tggtgccagg ttcctgggtg ttcagctgaa tcctagacag tttcccttct cttcataaag 180
ctgagaagaa aaaaaaatta tctccatcta ggcccacggg aattttgtgc atagacagtt 240
tgaattgggtc tgaagggtgt gactagctac ctacctatc acaatgccta gaaaatgggc 300
taccagatat ggtagtgggtc aaagccccga ctttctgtgc tgagggtactt ggggttggtc 360
taaggtagac cttggcaagg gccctaagt 390

```

<210> 178

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA084343

<220>

<221> unsure

<222> (1) .. (442)

<223> n = a or c or g or t

<400> 178

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tttttgctgc agaaagacct ttactgggca gatgggggtg ttgagatacc agtggacaga 60
gtgagaggat agcatgtcct ccagaggcgc gggggtagtg tccctgcctg ggagcctaag 120
cctgaatgca ctaagggtcg gcaccacaga cggggtcagg ggaggccgc ccacaaggnt 180
ttcgggccct cttcataga gacaccacc ctgacctggg gtacacggcc atcgcgctca 240
cagttgtctt ggctgggtctc aggagcactg tgggatgggc ttgggggtc aggagggtcc 300
ttcaggaagg aagaaggagg ctgggtgggtg gtagtgtggg catgtgggag atgctggccc 360
caagaatgat gttcaggttt gagcagaacc attggacctt gaacttgtgt ttcctttggg 420
ctcatttggg acagaaagct ga 442

```

<210> 179

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA084408

<400> 179

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tatattgtca ggctgtaat tagttttgga ctggtagtta gaagaataag tggaattatg 60
tgaagggtca ttagtgttag ttctcgtgtg tgtgagggtt ggagggtaat tatatggttg 120
gttagtttgc cgcgttgggt ggtaataatt atgtatatg agtatatacc tgtaataata 180
atgttaattc ctataagaat aatggtaaag tttgatcaag aaaataatga tatggtaatg 240
aataattctc ctattagatt gattgaaggg ggtagagcta gattagctag acttgctatc 300
agtcattcatg tggctataag tgggaagacc atttgaagtc ctcgggccat gattatagta 360
cggctgtgga tccgttcgta gttggagttt gctaggcaga ataggagtga tgatgtgagg 420
ccatgtgcga ttattagtaa 440

```

<210> 180  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA084668

<400> 180  
caacagatga agaaagtttt aattttctttt cacattaaac attgtttacc acaatcagct 60  
aacagaaaatt actgtaacat tggtcacgat gacttcataa aactaaagat aaatggttatg 120  
aggaaaacttc atttaacgtg aatggtaatg ttagatactg tattttttcca tggtaaaata 180  
caacttatct tgaagagaaa gcaaatagtt cagatcaggg agacatgctg aggttttaat 240  
aaagaaaagc ttggccttgt ccagaacact taacaaagtt caggacaatt taggtaaaag 300  
agatgagtga gacaccagcg ttaggcaggg acataggctc atcattcagg ctttatggg 359

<210> 181  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA084901

<220>  
<221> unsure  
<222> (1) .. (413)  
<223> n = a or c or g or t

<400> 181  
gagcagttga ggcgggggnt ggcggggcggc ctccgtgccc atgattcagg ggcacagctg 60  
cccagcagac acacactttc atacgcactc acaccccacc cccagacaca ccccccaggctc 120  
tctggaactg gccaggggtc ctgctgctct cacagccgca ggacaggggt caaggggttac 180  
cctcaccctc acccggtctc ctagegcctt ggacgcccac ggccctcttg gacttcttgg 240  
tccctgaggg gggacggatg gggagagggg cgggtggtcg gggcgggcgg ggtggcagga 300  
gtggaggtag aggtagctcc gtgggctccg gcaagcttgg ggctgggccc aaacccctca 360  
aaaggggaga acttgagggg gctgacgggg gcccggggct actggtgagg cgc 413

<210> 182  
<211> 435  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA084921

<400> 182  
caacataaac tccaacttca ctgaggtggc tgaccacgtc caccgacaaa gccgcctcta 60  
aactggaact cagtggctga gccagcccca gcctcagctt tcttgtcagc tccagggggc 120  
acagcgctcc ttctgtaggt gtctctgtca gcctcccctc ttgtgaatct tgcaggtcgc 180  
tcaccctctg gacctttggg ccgagggcatg ccggtctcgg gacggctgcg acgcaggggt 240  
ggcgggcacg atctccgggg gtaggtgcag gtagtctcgg agatactgga tgccctcggt 300  
cgtaaggtac cagtagaaat gtctccaagc aaactgttcc ttcacgtagc ctcgagactt 360  
gagagactgc atggccttca ttacatgaag gttgggcaca tttttgtctg ccagctccgg 420  
gtgcttaggc atgtg 435

<210> 183  
<211> 572  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA085987

<220>  
<221> unsure  
<222> (1)..(572)  
<223> n = a or c or g or t

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<400> 183
tagaatttat ataaatttat taattttatt ttagttgtag gaaacatcag aaaaaaagta 60
aacttgccca gcacttcata gctgtatttt gggtttttat caaattcagc tccatttgac 120
ataagcaatg attatcttct caaatacacc acccaccaat ttcatagcat cattcttttt 180
ccccaaagca agaaatcata tgctgttctc agtgcactcc aagccattca ttcatttcac 240
ctacactcta aaggtacaaa gcttccttc tttaaacaca caaggtggca cctatgaagc 300
aggacagaga tgaggactga ccattattgg ttaaggatca attgcaacca tctgcagaag 360
ccaaaagata agattaaaac tgccatttgc agtaggggca gcggtgggac cacctttgaa 420
tcccgcactc ccaaacaggc catgtttcag agtaagaaaa gtaatctaga atgccagcct 480
gtctggcacg tcctctggaa aatggcacat ggtcatcctg attcaaagac accgnggggg 540
ggcacggata catatnccaa tatcctttac tg 572
```

<210> 184  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA086071

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<400> 184
ttcttgcttt ctttaaactt ttatttaaaa gtccatgcta ataattgtgtt tacatttttta 60
cagttacatt atgatagaaa ctgttggatt ttttaaatat ctaaaacaat ggccactga 120
agaaaggaac aattaactct ttaattaatt ccttaggata aatacccaga aatttaacag 180
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaaact 240
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300
ataggcaaac attactcaag gtatcttact ttccacttat tactaaagggt aattaacccc 360
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415
```

<210> 185  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA086201

```
<400> 185
tttttttttt tttgctataa aattatctgg gtttaattat tatcaatata agaactatag 60
aacattaacg tactaaacct gtatttacaa ttacatgtac aaaaaaaaaa gttctttgtg 120
aggagcaatt ttcagcaaat ctgacaaaaca gcaagagtca ttctattttt gggtttgaaa 180
agagaaatgg aaatttccaa gacgcccccc tcctccctct cactccagtg accctctgaa 240
catcaatttg caaaggcctg aggtagaaag ggaggtatta acaatatcag gcactcattc 300
ttcccctctt atgaaaggga tgaattttta ggaaccgttt tccatcattt attatactga 360
tgttgccatc catctgcata attaggttca gtaggttacc atgacaat 408
```

<210> 186  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA086232

<220>

<221> unsure

<222> (1)..(460)

<223> n = a or c or g or t

<400> 186

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ttccaataag aaataagttt gtttattcct gtagecgtaaa aatctgtgct tcgggattca 60
gcgaactctt ggaaagcatt ttctgcatcc tactggttcg tttccctgc aaaactgctg 120
ggatgcttga agaagtggta gtcagttggc aagaggtcag gtgaatatgg tggatgaggc 180
aaaatttcat agcccaattc cgttcaacat tttttttttt ttgaaatgaa gtctcactct 240
gtcgcccagg ctggagtgcg gtggcacaat cttggctcat ccgcaacctc caccttccgg 300
gttcaagcag ttctcttgcc tcagcctctc cgaagtagct gggatttaca gggcgccant 360
aaccataacc cagctaattt tttgtatttt ttagtagaga caggtttcan catggttggc 420
caggctgttc tcgaactcct gacctcaagt gattccgtcc 460
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<210> 187

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA086412

<400> 187

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atgttcccac aagcttttatt ccaaaaataa ttttatttaa taggtattaa ataatgtata 60
gaaggaaaag gagctgggtg caggttctgt ttacgtcctt ctcttaccct agctcttctc 120
gtgttttgcc tatttttttg ggcattttct tagcatggg atcttctagc tccttggcct 180
tataataatg gggagccacc tccagaagcc aactgctctc aatctccagt acctgtctca 240
tgaactcttt ggtgggtcaag acaagttcgt ggtagagcag ccagcgtggg gtttgctcaa 300
agagggagga gttgggatga atgaagactg tctgctgctg tttcactgtg cggtagcact 360
ccgagtcaac cgtgccgtgt ggtaaaagta accagcagtg atggccttgc gtacacggat 420
atagtcccc tggcagga 438
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<210> 188

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA088698

<220>

<221> unsure

<222> (1)..(354)

<223> n = a or c or g or t

<400> 188

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tttttttttt tttttttttt tactgttcca atgccagtaa tcaatttatt ttcttcatta 60
aaataatata cacagaatgt attgttagtt cgattccttc aaattttata catatttact 120
ttctgttaaa gagaaaagga taaaatggta taaaaaaaaga taaagctatt aattaagcac 180
gagagagaag ataaatggat attttccctg tgtgaggcta agacagaagc aaatctcggt 240
aagaaaaatg ccaccacac aacaggaaat ttatccaaaa caaaacaaaa gcngttatag 300
aacccttct ctaccatcag aagtaatttc acagcaataa acttattggt taca 354
```

<210> 189

<211> 334

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA089997

<400> 189  
ggtaaataga agtccttatg tatgtgttac aagaatttcc ccacaacatc ctttatgact 60  
gaagttcaat gacagtttgt gttttgtggt aaaggatttt ctccatggcc tgaattaaga 120  
ccattagaca gcaccaggcc gtggagcagt gaccatctgc tgactgttct tgtggatctt 180  
gtgtcaggga catggggtga catgcctcgt atgtgtagag ggtgaatgga tgtgtttcgc 240  
gctgcatggg atctgggtgcc ctcttctcct ggatcacatc ccaccaggg ccgcttttac 300  
tagtgtctgc ctagatggtc agaggtcatc aact 334

<210> 190  
<211> 350  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA090257

<400> 190  
tagaaataga aaaggtaaaa ttgcttttct tctgaaaaga acaagtattg ttcattccaag 60  
aagggttttt gtgactgaat cagcagtgcc tgccctagtc atagctgtgc ttcaaaaacc 120  
tcagcatgat tagtgttgga gcaaaacaag gaagcaaagc aaatactgtt tttgaattct 180  
atctgttgct tgaactatct tgtaataatt aaactttgat gttgagaatc acaactttat 240  
tgtacacttc attgcaactt gaaattcatg gtcttaaagt gagatttgaa tttctattga 300  
gcgcccttaa aaagtatacc aaccataagg ttaaattctat gtatattgag 350

<210> 191  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA090434

<400> 191  
ccataatgta agaagctttg gtggcaggtt acagagttct gggatttctt ctcacaggcc 60  
caatcctgaa tgtgcccctg gaccttcttg acccttgagt ccaaggcaga tcctctctcc 120  
cagggatccg acacaggagg aaccttctct ctggttgagc tgggccaggc ctaagagtag 180  
caggaactct aagaccacag agtttttata aatgtataaa tgtatcaagc caaatgtgca 240  
gatgctaact gggacattct gggggactgg acaccag 277

<210> 192  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA090439

<400> 192  
attgtattaa gtttattcag ttaattcact tgaggaacta accagttttt actttctgtc 60  
tagaatgatg tacatgtagt aattgccaaa gccctcataa agccctccgg cttgaggaga 120  
gagtgtatag tcatgggttc tgccctctgtg cccttgctgg ccgcttctcc tctgccttct 180  
ttctgggact caggggtgtg gggctgagcc tgtaggggac agcatgccgt cttgctgttg 240  
gcactcccaa gtgtgccttc ttccctcttt acaaacaagg gt 282

<210> 193  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA091752

<400> 193

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gaaggctaag gcagtatctc gctcacagag agctggccta caaggtgctg gagctggcag 60
gtaatgcttc taaggatctc aaagtaaagc gtatcactcc gcgtcacttg cagcttgcaa 120
tccgtggtga tgaagagttg gattctctta tcaaggctac catagctggg ggtggtgtga 180
tccctcacat ccacaaatct ctgattggaa agagggacac cagaaaactg cttagaggga 240
tgctttaacc accctcttct cccgtcaatt gtactgtaac tggggcaaag aaataatggg 300
gatatgtgga ttttacacag ttaatggaag catagcaata ctgtgggatg ttaaagaaca 360
ttgtatgttc                                     370
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<210> 194

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA092129

<400> 194

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tctcacgctg cctctgtggt tccctccctc atttttcctg gacgtgatag ctctgcctat 60
tgcaggacaa tgatggctat tctaaacgct aaggaaaaaa aacaaacaca gaactgtttc 120
aagtactcaa gactgactta cagaccaacc aaccaccttg ctggaaccct tgctagcagg 180
cattcttata aaagaaactt tcgagcctcc ttatatgtct ggaactcagc tgtgtctccag 240
actagagcct ccttacctat ctatatgttt aattaatttt tctctatata atgtactctg 300
cttttttttg tacagt                                     316
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<210> 195

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA092290

<400> 195

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gccagaatta aaagtatttt ggggtggtgct gagggtcaga ggaagaagta aaaattgtga 60
gaaaggagaa acatgggctt tgggagaacc cagaattggg gacagaagac ctggcactaa 120
gctatagcac ttagcacctc tgatcttggt tttcctcgtc cgtaaaagga gattaacagt 180
gcttttctgc ccacctcttg gggagaaggg aataatttag ttggtaaaaa aaaacttttg 240
aataataagc actctgtctt tatataagta gccaaagcatt attattatca cccatatcac 300
tggtagatac                                     310
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<210> 196

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA092376

<400> 196

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ctggtgccgg cgtttgggct acggttggtg ttggcgactg tgcttcaagc gttgtctgct 60
tttggggcag agttttcctc ggaggcatgc agagagttag gcttttctag caacttgctt 120
tgcagctctt gtgatcttct cggacagttc aacctgcttc agctggatcc tgattgcaga 180
ggatgctgtc aggaggaggc acaatttgaa accaaaagct gtatgcagga gctattcttg 240
agtttggtga taaattggga aggttcctca gtccagcttt gttagggtga taaccaactg 300
ttcagaggct caa                                     313
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<210> 197  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA092596

<400> 197  
 atgaaagcag cggtacttct gaccgtgcct gagtaagaga atgctgatgc cataacttta 60  
 tgtgtcgata cttgtcaa atcagttactgt tcaggggatc cttctgtttc tcacgggggtg 120  
 aaacatgtct ttagttcctc atgttaacac gaagccagag cccacatgaa ctggttgatg 180  
 tcttccttag aaagggtagg catggaaaat tccacgaggc tcattctcag tatctcatta 240  
 actcattgaa agattccagt tgtattttgtc acctgggtca agaccagaca gctttccagg 300  
 cctggtatca ggagctctca gcctctgagg ccctactaga gtctagagtt ctgatctgtt 360  
 ctcagtag 368

<210> 198  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA092716

<400> 198  
 gcgagtctgg aactctttct tcggggcccc ggggcacacc atggaggtct cctggttgat 60  
 ggcccttggt gccctagagt gggacccagc cctcacctcc cccagagcta acctgggagg 120  
 tgctgaaggg gcattggggc accgtaagca agggaaaaag ggcagatcat gcggggagat 180  
 gaccttgatc tttgattgct accctaacct tgacctttaa cccgtgattc cccagctcc 240  
 tggagagatg tctaatatct cttagggacc agaccctaaa ttctctctcc ccatttgatg 300  
 ttagtgg 307

<210> 199  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA093497

<400> 199  
 aatgttaaga aagcagatag cagcaccacc aagaagaatc aaaacagttc caaaaaagaa 60  
 agtgagtctg aggatagttc agatgatgaa cctttaatta aaaagttgaa gaaacccct 120  
 acagatgaag agttaaggc aacaataaag aaattactgg ccagtgtctaa cttggaagaa 180  
 gtcacaatga acagatttgc aaaagggtct atgaaagtta tctacttat gatttactga 240  
 agaaagattt cataaaacac tgtaaagagc tatttctgag atagagcaga gagatgctcg 300  
 tccatagatt gagg 314

<210> 200  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA093923

<400> 200  
 gtcataatgg accagtcattg tgatttcagt atatacaact ccaccagacc cctccaaccc 60  
 atataacacc ccaccctgt tcgcttcctg tatggtgata tcatatgtaa catttactcc 120  
 tgtttctgct gattgttttt ttaatgtttg gggttgtttt tgacatcagc tgtaatcatt 180

cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggttc 240  
 tgcacgtggt agcatttgac cacagtggac gcgtggctat gcagggtgatt cctcagtcct 300  
 ccttggtct 309

<210> 201  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094507

<400> 201  
 gaacccttca ggccatgctc ttgggtgtct ggattctgct gcttctggca tctctggccc 60  
 ctctgtggct gtactgctgg agaattgtcc caaccaaagg gaaaagagac cagaaggaaa 120  
 tggtggaagt gagtggaatc tagccatgcc tctcctgatt attagtgcct ggtgcttctg 180  
 caccgggctg ccttgcctct gactgctgga agaagaacca gacttaggaa aagaggctct 240  
 tcaacagccc agttattctg gcccatgacc t 271

<210> 202  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094517

<400> 202  
 aaaaccctca accctcacct tggaaatata aagaaggagg atatgaaaga gaaggtagaa 60  
 ttttaacagct atctaataa tgctgctgaa ttttaattaga tggagctgga aagccttttc 120  
 cagcagggca agcaccttaa tttttatggc atttattagg acatcttgag ctactgcata 180  
 aattttaact gatacacagt agttaat 207

<210> 203  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094752

<400> 203  
 gctgggaaga gcttcagcag tcccatgtgc acgtccatga cttgcagagc tttggccttg 60  
 acaacatcaa catgaccac tgtgtacatg aagggtggac gagaggtact gaggactcat 120  
 cgattcgctc atctaccact cagcacgagc catccagaag gaaattgatc tagggaggac 180  
 accgtagtca cctcgggtct tcctctgtct ctctttctcc tggcctgtgg tgtccccagc 240  
 cttgccacct tcacctctgg tcagcccagc ccagggtga 278

<210> 204  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094999

<400> 204  
 gaggatcaga cttcttttcc cgtgagacca gtatttggcg ccatatataa gcctgggttaa 60  
 attggtcatc taaagctgtc aaataagaca ttctgtgaaa ggtaaaccatc gaaactgggt 120  
 ataagtaaaa ccatcaagcc aacaacaggg tcttgagata acctttgaag cttattgtac 180  
 tggcctgcac cagaagatgt ctgcattact cattgtctaa aatgtgtagc acagaactgc 240



actaggatta atttgtttac aagaagaaat ttaaactcta cgtttggttt tcacatacag 300  
cagctctatt gactaacatg catctgagtt taagttgcaa aggt 344

<210> 205

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA098864

<220>

<221> unsure

<222> (1)..(465)

<223> n = a or c or g or t

<400> 205

gatgatcaat aacttattct ggatctcagg tttgtaagac ttgaatgcaa gagaatgaag 60  
accttcacgc tttctctgta agttttcatt caaaacatct ttcaatttct tttttttctt 120  
tttcttcttt tttgccctca ttttagttag tttgagtttc ttgtggctct gtagtgactg 180  
gctctaatag aatatccctt acaactttgt ggcagttaat ttctggatga tcaactgtgac 240  
ttccatttac atgtatttgg caagatttta gagtattttc ttttaatgga ctgggttcaa 300  
tcttnattct ggaagcttca ccgtattttt cctgattttc tataaacctt attttcacct 360  
ggactgagag gctctccaaa ggccagtaac ttcccctgga ctccttggtt tcccnaaaat 420  
tttcctttac aacaatcagt ttttttaatt tcacaagggc tggga 465

<210> 206

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099225

<400> 206

atctcattca ttttataata ctttgtttta attattattt agaacataaa tcaatgtaaa 60  
aatgtgggta tatacatata aaaatacata aaactaaaaa gcaaaaaaat ggcatttaac 120  
atttagccat aataatatat aacatactac aggtcacatg tacattttca ttcattgataa 180  
cttagtatgc ctaataatta tgttaaaaaca atattcttaa aatgcttatg tatacaatgg 240  
aatcttaaaa tgtgtgtgat tgcgaaccatt tacactgtct taagcactca aaagaaagaa 300  
actgtcttct gaatagttcc taa 323

<210> 207

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099391

<400> 207

tatctgcttt ttgctgctag tttcaaactg ccagtatttt tccttttgct tttaaaatag 60  
ttacaatatt tttcatgata gccacagtat tgccacagtt tattataata aagggttttt 120  
atcttgattta gcgcattcaa agcttttttc tatcactttt gtgttcagaa tataaccttt 180  
gtgtgcgtgt atgttgtgtg tgtgcatgtg tggcgtatat gtgtgttaca ggttaatgcc 240  
ttcttggaat tgtgttaatg ttctcttggt ttattatgcc atcagaatgg taaatgagaa 300  
cactacaact gtagtcagct cacaattttt aaataaagga taccacagtg caaaaaaa 358

<210> 208

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099404

<220>

<221> unsure

<222> (1)..(275)

<223> n = a or c or g or t

<400> 208

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attagcataa ttacttttatt ctaacannta gtttaacaca aattcctaata agtctgatcc 60
agggatcttt ggggtctacg cttcccatcg cctcagtgtc cgggtgcatga ggaagggtgc 120
ctctgaaggc cggggccgga gttgaagtcg gagagggggc agaccgtcca gggtcagggtg 180
tgagagattca taaaatagcg tttctgggtc acacaagatg gtcagtgtctg gcccaggccc 240
aggtgggtcc tgggtgggag ttggggccaa agcaa 275
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<210> 209

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099571

<400> 209

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aaatactcaa tttattctaa tttgaattag gttggtgtag gatgacaaac tccaagcaaa 60
agagcatttc ttctgggctc ccagaaatag cttcaacaac acatttgtat tttcccttag 120
aaaattttat tcccttgaag gagaatgata ttgttgattt cacagtctct cccttcagag 180
ctctgcaaaa agagtaatcg tcatcagatc ctcggcaaat aacttctttg cgctttggaa 240
gattcatggt gttgacagtt atatagagat tgaaatataa ttgctttaaa tctctccttg 300
gaatgtagaa aatgtgcaat aatccttttg atcctttcaa ttctatacag ggggttaacat 360
taattgaaat tgggtattgc attttatcac agtaggtgta tgaaatactt gcatcggatg 420
agttgacagc ccaatactgc ttctgagctt cagtaaatat ggaagaaaac agggg 475
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<210> 210

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099589

<400> 210

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aatggtttca taacacgggt gatctaagta atcatcagtt ctgtaaagtg caagagcatg 120
accagtaaaa tctataacgt cttgacccaa atcaaatttc ttatacacat ctgcgattgt 180
gggtcttctta ggatcaatgc cttcaaaagt tcttggtatc ttttcatcga agttggcaac 240
atacactagg aatttcctga agcgacgttt ttcaaacaat cccattaggc tagatgccag 300
ggcttctgct tcagtgggaag gaaccttgta gatttttcca cccttataga caaagctccc 360
ttcagtcact ttaaaatcca gatagcgagt tacctctgta taaagcagca tcttaaccag 420
ctgaccatta gccataagga acttggaat caagtcaaca ttccagtctc ttccag 476
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<210> 211

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA100026

<400> 211  
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 tatcaataag atgaaaagat tcagaacaca tttatttgta tgcagcacat acactgagca 120  
 tcagaacgtc tgctaaaatg gaatacacct gtaaacaaat gccttaggga gagtttatag 180  
 gtagtcagct ccactgtgca aggtatgcag ctgatacctt cttgctgaat agatttttgc 240  
 agtagccaaa aaagatcaga ttttagtaat aaaatatctc aaaggatgtc aaacattttt 300  
 tagagggcct aacatgggca aaattacaat tacatatata aaaatggcac aagaatcaac 360  
 tgatttcaca gaaatactaa taaaacattt cagggtctat tattaagaga aaaaaatggt 420  
 tgact 425

<210> 212

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA100719

<400> 212  
 tagttataga gctaattggc ttttatttgt gatttatgaa ttaaagcagc accactctac 60  
 aagtacagt atagctcccc ctgggcaata caatacaaga acagtgggtt ttgtcaaatt 120  
 ggaacaagga aacagaacca cagaaataaa tacattgggt aacatcagat tagttcaggt 180  
 tacttttttg taaaagttaa agtagagggg acttctgtat tatgctaact caagtagact 240  
 ggaatctcct gtgttctttt ttttttttaa ttgggtttta ttttttttaa ttggatctat 300  
 cttcttcctt aacatttcag ttggagtatg tagcatttag caccactggc tcaatgcgct 360  
 cacctagggt agagtgtgac caaatcttaa agcattagt ctattatcag ttaccaccat 420  
 ttggggggct ttatcccttc atgggttatg atgggtc 456

<210> 213

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA101055

<220>

<221> unsure

<222> (1) .. (426)

<223> n = a or c or g or t

<400> 213  
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 gaaattgttt caggctccaa aagaagagga ccacatgtca ctgatgctgt atgcttgata 120  
 aaaagatgct caaacgtttc tggcttctga aaattaagtc cttgtgcccc ggaacaattc 180  
 ttgggggttc gaacatcttc ccaaaatagc tttntcattc tttgggtgtga tattaataat 240  
 gttccaagca ataagatnga agaggnaata attacnggca caattacntn taaacctgca 300  
 tcaactctgg gtttttcaat atcancttac agtgaaacta ttaattancn ttgggtttcc 360  
 cactccttcc ntaaatantg ggtaaagact gaacngggac ntctnaatgg ggataaaaatg 420  
 atcangggna taaaa 435

<210> 214

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA101235

<220>

<221> unsure

<222> (1)..(512)  
<223> n = a or c or g or t

<400> 214  
ccataatttta ttttaagccc taaaatgaaa ttgtgaacca ttaaaaatat gttgtaaaaac 60  
tatttaaatgt cataaagaga actaactctg tttttatggg ccatctacca atgtcttccg 120  
agcagttctc tctcctcaaa cctcctctac ctctttactc accctcactc agcctaacct 180  
tgcttccgat tttattaagg aaatccaatc aatcagaaga ggttttctaca atttactatc 240  
acattttaccc accagccatc acctctgcca tatatgctcc tctcctatcc caatggctgg 300  
aatgtctcag ggaagaccaa gcccttcact tgtacattag atcccagctc tctgtcccat 360  
ccattatgga agctgcacat caccacagtc acacaagagg ggcactctga atgaggaatc 420  
ntgtaaacta ctccaaatca ncagtcttga acagtcttga acacgcattg ggttaaagta 480  
ctcctttatc tggtagattg gctacctttt ta 512

<210> 215  
<211> 493  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA101272

<220>  
<221> unsure  
<222> (1)..(493)  
<223> n = a or c or g or t

<400> 215  
tttttttttt ttccttctgt agtcgtcttt atttagagca gaattcagac tcagctggta 60  
tccccagggg caacccagg atggtanagg ggctggctctg tccccacca cttctccagg 120  
atcctccagg cccccagntg cntnttccct ccaactgtca gctgcttagc tgctcatctg 180  
gggattgcag ctggagcatc tgtcaagggt gtctccttga caaacagctt cctctttgga 240  
aatggcttca ctgaggtcct gcaggtcatc gagcaggaca gagagggacc cttttatgga 300  
ctccttggtg ggcactgctg ctgctacagg tgcagatgct gaacactctg gaggcctggg 360  
gntggacacc acagatttct tcttatccag tagggaagga agaactgtca acagtcgctg 420  
ctgcttgtaa cgggagagga gaccttctctg ctgcaagggtg gccagcatga ggttcttatc 480  
cctctctaag etc 493

<210> 216  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA101551

<400> 216  
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acagtataaa aagtacaaaa cagatctgta gatttcta atattaatac aaagtgcag 120  
actacataca gtacatccta caggcaaaga gaggtggaag gggaaaaaga agactgtggg 180  
tgaggtctag taataaataa ataaatacag aagtagagat gatccatatt atagtatatt 240  
ctaccaccaa tactgcagcc aaaatgtaca aaaaaaatca tttcaataa ctcaggagga 300  
tgataatggc tggacttttg taattcacct caaagactgt gggagagcca actcaactca 360  
ctgtatagtc tgtgcatatg gtggttctga gcatgtaggt tttttccaaa agaaggaaat 420  
ataaaatggt tagattaaga acta 444

<210> 217  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA101632

<220>  
<221> unsure  
<222> (1)..(451)  
<223> n = a or c or g or t

<400> 217  
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gattgtactg aatcactggg tccccagcc tccctaccta cccctgcacc ccagatctgc 120  
cttccccata ttcattggcct cctcctccaa agcagcccaa agcagcaatg atatttacta 180  
ttttatatca atctcttgct atatatatat atatctatat atctatatat ttgtctatcc 240  
tatatatata taggatttta atgctttgaa tgagtgaagg agtgaatagg gaaagagcac 300  
atgagtgagg tgtaaatgtc accaaatgca ttaagggaca tatttgtagg agctggacat 360  
ggggaaaggg actattaacc aaccgtggcc nttgccaggc tgggagaagt tttncactgt 420  
gctggataag gcagtagcaa gcaggggttg t 451

<210> 218  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA102098

<400> 218  
agcaaaaaat tttaatttat ttgatttgca tgctacagag atttagctaa actttgttca 60  
tttggctagc aatattcttt ttgtacctgt aacacttaag attctgatat acaaaattgt 120  
aataatatac tgataattca aacttgagaa ctaaataatta cattcttttt accctgtgcg 180  
aataaattct acctttttaa aatagtattt ataataatta aattcatatt tgtccatatt 240  
gttttgtgat caagttatta aaatgttttg tcaactgtgaa tcatttgggt tagtacaaat 300  
atgacaagat tattaaaagc tgcctataaa tacataacac tattgctgac ttttaaagtg 360  
tagaaaaagg attatattaa aataagttca tctctcatgt tagaaatgga ggaaatttt 419

<210> 219  
<211> 260  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA102489

<400> 219  
agtctacaag ttcagaccca catgtaacgg atttttgctt catggttgtc agaggctagt 60  
gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120  
agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180  
attgatctaa ggcggggacc cttctaagggt ggggacccga gtgatctaaa gcaggggtggc 240  
ttccagcaca agggtgccga 260

<210> 220  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA102571

<220>  
<221> unsure  
<222> (1)..(421)

<223> n = a or c or g or t

<400> 220

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aatgtttcac tctttatata taattgaata cttagttatt gtgacaaaaa gttagtatgg 60
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tccaattcca atgctgtttt ctttctattt cagcaacact atacgtagtt taatagtcaa 180
gataccactt gaatactatc caagaataat cagatctgct caagttaggt ttatataatt 240
taccaagggtg atagattctg actttgaaga ttactgacca ctgatcacta agaactaata 300
ttagctgacc atatgatncc ncaagaacta actttgactg ataaatttga atttcattct 360
ttgtacactg aggaaagaga ttaacaattt tctccacatc aagatggctt gtnttgaagg 420
a 421
```

<210> 221

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA102837

<220>

<221> unsure

<222> (1)..(469)

<223> n = a or c or g or t

<400> 221

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gcaccttgaa acaatttaat aatgtattac attacagtag catcacagca gcagtcaata 60
atgccacttt agacaaaaat cagtatttcc attatgcatt ctgtgtataa gaattcataa 120
atcggtaaaa gtcattctaa gaaaacttgg caaatcacgc tttggactgg aattggcatt 180
tctttgtcta cttttccttc ccctagattc tttgttttaa actacagtat tcatatttna 240
aaatgtttta aattatttta agacgttaat atagcagtta catttttgaa tagttatttg 300
aaagtgactg taagataaag ttttagagaa tctattatgg atagggttga tttacatttt 360
cacattttct aaaaatcagc tttgggttta gaactgattg ttttccattn tgggaaaacc 420
taccaggttt aatcaattac tttaaaaata attatcatat tttgcaggc 469
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<210> 222

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA112101

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 222

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ctttctgcag ctgcccgccca ccctcccttc ccttggatga ccacttttgt aggctatagg 120
ggaccaggga acaaaggctg tttgnnnnnn gggngggaca nannancccc aatcanntgn 180
nnnanannaa gctanaatta caaatnnann acaanaanta atgctgannn ctgggagagc 240
tgcanagnng ggaggccgcg tcctctttgt cagggtctat ttggcagtga ccttgctctg 300
aaggcgatgg tactccttca gctgacctng gccaccccg atngaa 346
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<210> 223

<211> 433

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA112209

<400> 223  
atcttatatt tatattttat ttccttctct atagagagag caggtaaaaa catgttttagt 60  
gtttcctcgc tttccaagtt acattttatc ttgagcagat ttaaaacgag attagctgta 120  
ataggactcc aggatgtggg cagatgtcta cttgtcaaag acaatctctc ttgcaatcag 180  
ctccttcatt atttcatttg taccaccata gattggctga actctggcat ccacataagc 240  
ttttgcaatt gggactccc acatgtatcc ccaacctcca tggagctgta cacagtcgta 300  
agctacacta ttttgtaact cagatgcccc atatttcgcc atgcaagcag tggcggagtc 360  
caaacgtttc gcttcatgca gctggagaca gttgtccaca aatgctcggg ttacacatat 420  
atgtgttttt aag 433

<210> 224  
<211> 373  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA112679

<220>  
<221> unsure  
<222> (1)..(373)  
<223> n = a or c or g or t

<400> 224  
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tccaggattt aggtcaactc aatatgaaaa actgaagcac actacagaca acaggacata 120  
gagaatgagt ggtatttcct tcaaattgaa catcttgatga agtgacatat gtatcccaat 180  
gatgcaaata atgctcnaaa cttttttttt cattttttta caatttttaa ttttttttaa 240  
gacagtgtct cactctgtcg ctcaggctgg agtgcagtgg cgcaatttag aactcactgc 300  
agcctcaacc tcctggggct caaaacaatc ctcccacctc agcctttctg agtagcttagc 360  
actacaggca can 373

<210> 225  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA112979

<400> 225  
tttttttttt ttttttgttt gcatcaaaca aaagagagtt ttattttaag ctttgcattt 60  
ccttaaaaagt gaggactttg tcaaacattt ttatccactc tgagaaatgt acaatgatta 120  
gaaaagtgcg tgtcataata attttcatat atatgtactc caaaacatca caaacacacg 180  
gctttgggat aacttaagga gtataacctg aagattttca aatttcataa attagccttt 240  
aatgaattgt acaaaatatt tttataaaaa aagtttatgt tttctgaaca catgagtatt 300  
taatcattac ttccacctcg caagactcac aggaaaataa aacagttcaa atagaaaagg 360  
agaaaaaagt ccaaa 375

<210> 226  
<211> 234  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA113149

<220>

<221> unsure  
 <222> (1)..(234)  
 <223> n = a or c or g or t

<400> 226  
 gtgattttatt tgcaatgggc acagtgatgc aaaaacaaga tattaagact ataaaatatg 60  
 tgactacaaa gaaccagcga aataaataca tagatattag atagtccaat aacttaagg 120  
 ncccggtgcaa cgatncgagg gatccgcgc cncnggaagt tcttcttgct gcagggcttg 180  
 gagagcgccg gccacgtcct agcctcggtc cgactcgctc agcgtatggc ccgc 234

<210> 227  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA113303

<220>  
 <221> unsure  
 <222> (1)..(460)  
 <223> n = a or c or g or t

<400> 227  
 taacaaaaca aaacatgttt ttattgtttg attaacaaac tgggtggggg aagggcaaga 60  
 ataagacatg cggggaaata ccagctttga ttagtcagaa actcctgtta tctgtacaaa 120  
 aaaatgaatg ttacaaaaat cagctaaaaa aactaggctc aaggaagcag ccgcccttgc 180  
 aagagggtc aaggcacctg ggaggctgag aagaggccaa cctggccatg ggcgtggctg 240  
 catggacagc tcttccctcc tgcccttccc cagatgccct tccctcctgc cccgagggac 300  
 cactccctct ccccaattac aggtgctaca aaactgcctt gaataccacc gccaaaggcac 360  
 tgccagagat gaaatgggcc ctggagcaga gcctcaggct tccctcccc tgtagcccag 420  
 gcctggagaa aggagggtt gttcccaggn ccagggtgggc 460

<210> 228  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA114949

<220>  
 <221> unsure  
 <222> (1)..(579)  
 <223> n = a or c or g or t

<400> 228  
 ntgtgcatc agaaaggagc agactgtgga gcaaagggtg tagagaaaac gaaccctaca 60  
 gaaccagttg gagggtgttg ccgagtgat ggagtttacc aggtggtaga atatagtgag 120  
 atttccctgg caacagctca aaaacgaagc tcagacggac gactgctgtt caatgcgggg 180  
 aacattgcca accatttctt cactgtacca tttctgagag atgttgtcaa tgtttatgaa 240  
 cctcagttgc agcaccatgt ggctcaaaag aagattcctt atgtggatac ccaaggacag 300  
 ttaattaagc cagacaaacc caatggaata aagatggaaa aatttgtctt tgacatcttc 360  
 cagtttgcaa agaagtttgt ggtatatgaa gtattgcgag aagatgagtt tccccacta 420  
 agaatgctg atagtcagaa tgggaaagac aaccctacta ctgcaaggca tgctttgatg 480  
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 cgccttcag caatccccgc cgtgctacaa tggganttc 579

<210> 229  
 <211> 417  
 <212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115562

<400> 229

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attttacaaa tacattcata ttcaaagaca tgggtgctta tgggagagga tgggtgtaaag 60
aaagggaaaa aagccataaa accagagaat ctttgcattg gactgtattc ctgagatccc 120
aaaccaaagg gatgaatgtg ctgttatgcc tttaatgtgt gcaccaggaa atgcaaacta 180
gaaaggggtg ctctgaaggg tcctcagggt aggaagaccc ccagggttg agaatccacc 240
accttcattc ttcaaaagag tacctcagtt gtctgcttac gcttcagcca gcatgtgtga 300
gcttggtcat ttcctgcaag ccaggcaacc acaccagtgt ataagcctca agcaaattgc 360
actcccaagc cccaaatggg actaaggcct ctgctgggct aggcgtggtg taaatcc 417
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<210> 230

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115735

<400> 230

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tcagggtgtc ttaccacctc cccactccct caaccagtcc ctgcttccag ggtccaggag 120
aagcagtggt caggcagagt agtctcttgc cagagcagaa caaggagtcc tgggtggcaa 180
gtggcaagta tgcaggctgg gctggtccct ggtgggactt ctctgggct tttcctccca 240
tcattcttct tcacgtgtct ctcagccctg gcagagtttg gagctgatac cctgggtcat 300
ggccacagtc cagttcactg ggtggatgtg tccttggtct ctgtccatgc caggct 356
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<210> 231

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115933

<220>

<221> unsure

<222> (1) .. (610)

<223> n = a or c or g or t

<400> 231

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gtgggataaa tactttacag gagagggtca cactctcaga cactttggct cccaaagggc 120
ttggagcttt tgtgaggctg agcatcttcc aaccagggtg atgcactggg ttgccaacat 180
ctcaccacg cccaatccag ccccttcaca cactgacatc gcctacctgg gccctcctng 240
nggnnttnnt ttttatctaa ccagtgtaca caacatattt ataaccaatt aatacgtgtg 300
agtcattgatt tgtttaaaaa gtcagctttt gtgaactgaa ggggatgggc agaaggcagg 360
atgctgtcct ggtcaggaat gtgaccaga ttttaacact gctcctgcac gcggtaccat 420
ggttggtgac gctggtgaag tcgtcaaaac ggagagccag ccagctgcgg tgttggggtc 480
naagctgaaa gggtagagat tccacagatg cagcatcttc ttccagacgc ggtactgcag 540
gagcccagta cttgcagaca tcgataagca gccggctngg ctngctctgg ctccatgggc 600
anaaaatccg 610
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<210> 232

<211> 465

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA115979

<400> 232  
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tatgccagtt ggtcttggtt ttggggtaag ggggtattgc aggtaaaaag aggtgaagca 120  
gattctggct ttcagtttct tagctcagaa attccagcaa tccctgtagt tctttgcac 180  
ccctcaccac ctctggaata gagagcaggg tcttataaat atgctgaaca atgtcatcta 240  
gtttttctaa ctcttggtca gagccgccga agttctcttc taggatattt ctatggctct 300  
ggaacttgat catgagtttt tccttctcat ttttcatctc caggaacatc actctcagtt 360  
ttggtccacc tcctgagaag agccacactt tctcctggat ccaattgggt gggccatagg 420  
ctgggcagtt tggagtccag ctgggcctgc cagggcctcc tggag 465

<210> 233  
<211> 261  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA116036

<400> 233  
gagggaaga caaacgtat ttattccagg ccaggcttta aaatgcacac tgcacgggtc 60  
cctgttggtt tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120  
ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg 180  
cagttgggtga ggttttctac cctcacagca aagggatcct taactataaa ttcacgggtat 240  
gcagagaaga ggacagaatc t 261

<210> 234  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA116075

<400> 234  
tgtaatttta taaaacaact gtattgttca gatttaggag acaacctaa aagatgattc 60  
tgagtaggta ggatttttgc tattactggt atgtgaaaa gactgctcaa ttaaattgaca 120  
gattgttaca tatctcccta acaagagggg cgaactgata ctacaagcag ccagaacaac 180  
ataattagaa tagaattcca aggttatatt aatagagtaa taagttaatt aaaaccaaga 240  
tcaactgagc ttctatttac accagttcag acagcccaag aggaaaagaa ctctatttta 300  
gagacatatg tgactctttg agcttctgtc atccagggtc catttctgat gcagcacatg 360  
tgactgaac agttggcaaa gaaggaaaaa gattatggta gatgtatgtg cagatagtct 420  
ctctaattgat gtaaaatcac t 441

<210> 235  
<211> 267  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA121140

<220>  
<221> unsure  
<222> (1) .. (267)  
<223> n = a or c or g or t

<400> 235  
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tacttttact aaaagtcact tataatgacc aaattataac aatttttgca ataagctctc 120  
 attaaatttt cctaaaagta gaaaaagtac acattatata ccattttgca ctttaattact 180  
 tctttaaaat ctcaaaataa ttcagtgtan aatgttagtt tcaaagacaa tttatgggaa 240  
 attacaagca cttacaaagg ttcctca 267

<210> 236

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA121257

<220>

<221> unsure

<222> (1) .. (413)

<223> n = a or c or g or t

<400> 236

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 ttatacaagt gactaaaata aatagagtaa caaaggcagc tacatggccc aaatctccca 120  
 gcttcctcag gctgctgtct aggatgccta acccgggggt accgctgacc accccaacc 180  
 ctgcaaaggg cagggcctgt gggtaactgg aggaggaggt cacattctgg ggtagaagg 240  
 ggcccaatgg atgggaattc ttcataataa agaggaaatg cctattaaaa aagtcccaaa 300  
 aatgtaagaa actctatttt aacccccaaa aagggttata aaaaaacaaa gctaaaaata 360  
 atcaaaggct ccttgtctac ccctgnggga ntggggagga accaggcact gct 413

<210> 237

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA121315

<400> 237

tttttttttt gtttacttat ttattttatt tcaccaccaa cattattagc catgcctttc 60  
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 atgtcaaaca atatgtgac catactgtgt gtcgtccttg ggggtttatt tgactttgtc 180  
 acaatgacag ccaacagtga gactgataag cctgtaaaaa taaaaaaata agactaatca 240  
 aatagacatg gcattttaat ctcaaagtgc aaaatcatct aactgaaaat gacggcattg 300  
 aaaaattcca gtgggttaaaa atgaatcaaa acttcattac gcaggcagtg gaagtgtgtt 360  
 gaaagattta ccaggggtgt caagtttttag acactcagaa aggaccatt ctagccatct 420  
 tgattggata acatggtata tactt 445

<210> 238

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA122345

<400> 238

gataaaggag gcttttttatt taaaggcaaa ataccaaaat ggctctcttg tgtaggtgat 60  
 ttctactttc acactcagct tgtacatgat ccgctaacct taatttcttt ctccttaacg 120  
 ggctgacttg gattgacttg ttgagaatgg tatccattat taatgagtca ggagagaaag 180  
 ggatttctgt ggttacatgt aaacttgtga taggtctgca gaagttacat gtgaagagga 240  
 tagtgaggaa gtcagccatg atccatctat 270

<210> 239

<211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA122386

<400> 239  
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 catggccttgt cttttgggat ggtcccagct gtttatttta aaagaaaaaa attaaaaatag 120  
 agccaacaaa tgcaattaag aaaaaaaaaaag tattgagaca caaggggacc tacatgttct 180  
 ggtctaagaa gcatgcaagt attacaaagc attccagata cagtatgaca gaggaacagt 240  
 gaacaagcat tggaacgatg ctctttcttt cagaaacggg aagtctaaca gttatgtttt 300  
 cacaatggta gtgattaa 318

<210> 240  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA125808

<220>  
 <221> unsure  
 <222> (1)..(441)  
 <223> n = a or c or g or t

<400> 240  
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 cctcgctcca cacctgggca ggtctaaact tccttccagg atggcctcca cacacagcct 180  
 cccacctggg gtcacctggc ttcttggggg acccgcaang anggggcagg gagcagcagt 240  
 ccgggtgcgg ggatcggggg acctcggcgg gggcatccac aggggctgca agacctctgg 300  
 tcagcatggc gtgggtgggg agagcggttc tccctggggg cctgagccag tgactcctgt 360  
 taggaccttt gtccacctc cgcctggtgg accggcagga cctggtctag ccagtcctgt 420  
 agcctccatt cccccacctg c 441

<210> 241  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA125831

<400> 241  
 gaacaaacag catgcactgt ggtatccttt atttaaaaat tgtgagctga ctacagtgtg 60  
 agtgttctca tttaccattc tgatggcata ataaaccaag agaacattaa cacaattcca 120  
 agaaggcatt aacctgtaac acacatatac gccacacatg cacacacaca acatacacgc 180  
 acacaaaggt tatattctga acacaaaagt gatagaaaaa agctttgaat gcgctaaatc 240  
 aaataaaaaa cttttattat aataaactgt ggcaatactg tggctatcat gaaaaatatt 300  
 gtaactatth taaaagcaaa aggaaaaata ctggcagttt gaaactagca gaaaaagca 360  
 gataaaaaa gaatggaaga taacataaga ctaatatcaa aattctaag ttgatactgt 420  
 gtaggattgc 430

<210> 242  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA125856

<400> 242  
acttgcatta actttattac acaaataaga catttacaaa gcacgacatg aaaggatatgt 60  
aacaaaacag acattgggtt tacaaaaaaa gtgcttacaa tttttttccg tgtgtgtgtt 120  
ttcccccttt tttgtattta aataaatagt cttgatggcc tgtacgttcc caggctgctc 180  
ttaacagggt agtggagaca tgtttgaact gtaacatgct acggccacat aatccacgca 240  
aggaatagac cctgaggaga ggctcaaagg agagtgtgtt ggggtgaccct gggtagggct 300  
tggttggcca cttaccacat gggtgccact ggggccttga tgatcaggag caaaaatcaa 360  
aggaaaagatt tgagctccaa ggccaggaat tgggccttgg ttgctcctgt taatgtcagc 420  
gcctagcac 429

<210> 243  
<211> 425  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA125861

<400> 243  
gggatcaatt tttatttggg cttctcacag tggttagagc cactctgtct tcagaacaat 60  
cacagcacag gaaatgcgtc actgagactg cccagaaaag tctgaccagc tgaatcttat 120  
tgcttaaaat acacatattc acaatagctg acaaagggtg acgtgcctca cacaggaatg 180  
tgttcgcatt tgcaaatctt ctgactggct gtagcaccaa accctccacc gaccccgctc 240  
cattcacgtg gaaagccagc ctcagtcaca tctccctggg cccctaacg attccttcag 300  
ctccctatta aatctctctc tgagcagggc agcatcctgt agcggggggc aaactgtgac 360  
ctgggaacca agcccagctc cgcaggtttg catttccgtc ttctcgtgac tttagggtt 420  
cgtgc 425

<210> 244  
<211> 453  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA126041

<400> 244  
tttgcaggga gtgcaacatt tatttcataa cagaaccctt tttccacaga gcagctgaca 60  
gggggctgca tgaacatac tttggaaatt aaagtgaact ctccacttgg gcataatgtt 120  
atgtggggcac atggattggc ttaaaaggga aacaagaata cttcaacatt tgatcaacag 180  
taggcagttg ctggacattt tagaaaaagg agaaatccat tttttgacca tggctaaaca 240  
tggggaaaca gcatcacatt ttcctgaacc accctaattc cagcccctca agatccacca 300  
ggtatgcaac cccaaacccc agtcacatac attaaatcta cacttttatt tttttgttgt 360  
aaaatgtgct ttttctcaa tgaactttta tcagtccagg acctacaaac acacacacac 420  
acacacacac acacacacac acacacacac aca 453

<210> 245  
<211> 135  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA126044

<220>  
<221> unsure  
<222> (1) .. (135)  
<223> n = a or c or g or t

<400> 245  
 tttttttttt tttttttttt tttttttttt tttttttttt taatgtgatg agtgggtctgg 60  
 gaaatccncg cctaacaaag tggcttttga ttcaaggcct gaagaagggg agggcccact 120  
 ccaggtagat gacat 135

<210> 246  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA126059

<220>  
 <221> unsure  
 <222> (1)..(462)  
 <223> n = a or c or g or t

<400> 246  
 ttttcaaagt tcaaaggtcc tgtttattcc ggcaaaccgg aaagaaaaag tgtaaataaa 60  
 aaaagaaaaca gatccatgca ctcaactcct ggggggtnggg gtgggggtgg gagtgaggga 120  
 tgaggaatgg gtgggaagca aggagggagg ggtggaagga cagagagaga gagacagaga 180  
 gaggcagaga cggaaagaac tggagaacca gagccataaa aagaaaaaga catccataaa 240  
 aaggcagaaa gaaagaagtg gtgtattaaa agcagagatc aataaaggag aagaggggaa 300  
 attgaaaaaa tagacagaaa tacataggca gagaacaaaa gccagcaaa aaggcgggga 360  
 gaaagggcgt gacagagaca gagagatcac ccttganggg acacaggcag aatgaaaagg 420  
 gccccagcc cccggagccc cccagggcag cagcccagac ca 462

<210> 247  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA126429

<400> 247  
 tagattagaa taaaaattta tttttgtaaa gaattatatt ttgtatttgc aaaagctgaa 60  
 aatgctcata aaaattacca gccagagct tggatttcca ccggatccac cacgtgagac 120  
 aaaagagtct gtcacttctt cttgccagggt ttgagggcct tttctagacc ttggatgtgt 180  
 tttcgaggga gctgatactc ttcaagcaat agccagccga ggtggtggac ctggtttccc 240  
 tggatctgca cctgaaggct gtccttggcc ccaggggagg gattgacggg ggtgctagcc 300  
 tggcatcgct gctgaaggat ggcagccact gagtatgggt ccagaccata ggcctccaag 360  
 ttccggacca cggtcacctt tttattagac gctctttgtg ctagggtgat gtcaattgga 420  
 cagatttctc cttttcttt 439

<210> 248  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA126459

<400> 248  
 ctgtcaagct gttcttttatt tcagggagag ggcaggggag gggctcagtc tttcttggca 60  
 gcagctttcc tcatggcggc cagtacgttg ctcagctcct ccgcttcct cttggcgagg 120  
 atgtgcgtcc ccaccctttt cttgataaat ttgagggccc gtttgcctt ggagaccttc 180  
 agtaactcca tggcgcgccg ctcgtacggg gcaaagcaca cacctcccga atcatgtccc 240  
 gcacgaactt ggtgtgtttg gtcagacgcc cgcggc 276

<210> 249  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA126561

<220>  
 <221> unsure  
 <222> (1)..(263)  
 <223> n = a or c or g or t

<400> 249  
 tttaaccaat aaaacgtaac acttttattat tattttttatc ttagaaggaa ttcaccaaag 60  
 gcttcatatt atgctatggc atctttaatt ataaaaataa gcaaataaaa taacttgcac 120  
 ctgtcattac catgatatgt ttcataacct ttatatgcac atggagcttt aaaatgtaat 180  
 tttacaataa ataatgacnt ataccagata tgctenctgt tantccagta ctccgcccaa 240  
 aacntaata tcattttaat tat 263

<210> 250  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA126719

<400> 250  
 ataaaacatt caattttattg gtctttgtgg agaattagat gcatcaccag tatattacaa 60  
 cagagccatt aatctttagtag cttcatcaac attaactggg ttgctttcat gacgctgctg 120  
 aggaatcagt tctttctgca gaggttcaag tgaaatgctt tttgcgaaat gtgcaagttc 180  
 cttttgtaca tttacaaaag ctttatttac tctgttaact ttttcctcat tcataatggt 240  
 tatcttctta agattagtggt taactgggtt tgctttgttt ttagccttaa agtttttttg 300  
 gctggctatg tgaaatacat tcttggactt cggccctctt aatttgttct tggccattg 359

<210> 251  
 <211> 565  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA126722

<400> 251  
 cccaggacac tgccacttcc ttttaatacag cgggtgcctcc acgccccgca tccgatgcag 60  
 tgttacacgt gtgtgtcgct caaacatcca tcctactgca catactcagt ttcgggccagc 120  
 agggggggagc ccgaggtagc tcccgtctcc ttgagccagg cccctgccag acctgagctc 180  
 cctcccaagc ctggcttccc caaccggtgg ccttcatggg ccagaagcca ttccttcacg 240  
 gccagtcctc cggagtagtt gccacgggtc cgtctgtgca gaccactctg tggcacggga 300  
 tgaggatggg gacaggattg cctctcattg ctctcccac tgctcgcgcg gctttggggg 360  
 tgcttgccag ggctgctaag tgctggtaag aaatcacttc tccgaatttc acaaccttca 420  
 gcagcttcat aacacctgtc tgggtgaacga ctcttgctgg aaaacgggat ggtgaaaagc 480  
 cggcacggga aactcttcga tagcctcggg tgggtggaata ggattcagca ggctgtgaat 540  
 gatcaggggc tccgaacttc caaga 565

<210> 252  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127444

<220>  
<221> unsure  
<222> (1)..(421)  
<223> n = a or c or g or t

<400> 252  
gtaggctcaga gacagctgga tcagctccag ccacatttat tacaaaaatag tgaccgcagt 60  
tctggatatag aaaagatccc tgacagccca gtacacctgc aacggccccc accccacaga 120  
gttcctctct caggtgcctc aggtgtggaa gttctcagat tcgaagggtt cctgccagga 180  
ggcgctgta ccgggcagtt gtgaggggca ggtaggcacc tacagcctgg tccagaacgt 240  
acagtgggtc agacaggggtg ctgggggtcga agccctcatt tgccatccga actttctgct 300  
gtttgaaggt ctctgtgggt gccaaagact cctggagcct gaggaatcgg ggccgggcat 360  
aaggtggcaa gttctcagac angtnnggtgt agagctgcat aaggtccaaa gcgttggggg 420  
g 421

<210> 253  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127514

<400> 253  
taaagattaa aaatatttta tttaaacttt tcttcataaa cactttttaac atttttttca 60  
atttaaaaac agaattggata gcataaacat gtttgaatag attatatcca cggcttgagg 120  
aaaattacct gacaaaaatg taaaggcttt caaaacaggt ataaaaggca aaccttaaat 180  
tattctaaga tttttatata ggccctagga ttatttgact actggcccaa aatgtacct 240  
aaggtcaaaa tttttttcta tagacaaagt atgcccaaga ggtatagggc atatacaagt 300  
taggtagaaa ataacctctc ccaatcacct cactggacca ttccttcaga aagcaaacac 360  
ctaactctta ctatatactg gactaataac attttaaatg cagttgttcc caaatgtaa 420  
aaagaaaacc aaagaattta agggaga 447

<210> 254  
<211> 603  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127646

<220>  
<221> unsure  
<222> (1)..(603)  
<223> n = a or c or g or t

<400> 254  
tatgaacaaa agttttaatt tttattttac atattttatac ataaaaacttt caaggaaccc 60  
tctgaatcca acagaatgtt aatagcacat ctaaaaagga acttcaggta gtcaacattc 120  
acaaaatgtt gaaaactgag taaaatatac atattacgga gagctacaac ttcactacga 180  
ggcaggcatg tattttttga cttgtatagc accgtcattt acagttcttc tttaaaacta 240  
cagtgaagaa tgaaaagttag tcaatgggaa aatactgttc caacttaaaa tctctaaaca 300  
aataaaaaata aagttaaaac tactctcttt tattaaccat gatttgtggt ggtgtcagta 360  
ctgtacattt tttgtaacaa tttttatta aaatgcctga tattaagtgg cacagtaaaa 420  
aattaaaata aattaagaag caaaggccaa tctactggaca ttaagctcga cttatcaatg 480  
actaacactg atatttggtt ctgcgccacc ttagcaacag ctttttaacca ccacggaggc 540  
aaataaattc tagctgttcc nggttgaatg gctcttcact tgcaggcttt cccgccagtg 600



ctc

603

<210> 255  
<211> 549  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127712

<220>  
<221> unsure  
<222> (1)..(549)  
<223> n = a or c or g or t

<400> 255  
gtttctgctct cccatcaagc ttcagatgcc atgtttgtact gggggaatgt agcccttgtg 60  
ctccccaccc cctacctcca cctgagcctc accctgctgt tgagccctga gtggctaggg 120  
gaaatgggaa gaggattgcc atggcctggc catcttgttg ctgctagggt agatcatata 180  
gctaataaat taggcagggg agctattttt tgaagatgat gaattaaatg ttgaagacaa 240  
gtttgagatc tgtaaaatgt gattttttac ttccacttat aatacttgtg attggggagg 300  
tttgtggaaa ttcaattatg atgaaaaacc tatctttttt gtaattgttg catacttggg 360  
gaatttagtg gcaaatacat tccccagcag gccttttgtt ggttgcacta actgcaaggg 420  
ttgcctggga agntagagtc ccattttggt tgatgaagct ttgaactgcg gttttggaac 480  
cttacctctc ctctcttagc ccaatatgct gtcttgggtc ctattcaaat aaagttattt 540  
cctcctgga 549

<210> 256  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127741

<400> 256  
tttttttttt tttttttttt tttttttttt tttttttgac ttttgtcaaa atcttcttta 60  
tttgctctgt aaaactctta atgccccaat tttactaaca aaccatttgt ttacaagtgt 120  
ctttaaattcc agataagttt aacaaagtgg tttcataaaa ctataaaaac tatgtatata 180  
gcatcacaaa gaattaacat attaaagcat tatattgggt atcacataaa agcatcataa 240  
gtttttcgta gcactctctc tagaaaacag tacatgaagc caaaccaaga tcttgtctgt 300  
ccactcacat aaaaggtccc aggtctgtca atgagtttca ttttaatttg agagccagtc 360  
tgccacggag accaccattc tccacagaga aaactgccac atttgtgagg tgaatgaact 420  
ttcagcattt atgttaaagt catctctgaa gtgacatcca caattttaat tccaagtga 480  
tggttttttc cttggctagg cacctttttt aggtacatgt tgcaaagtgt cttaagtga 540  
aagcgtatt catccccca aagt 564

<210> 257  
<211> 187  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127851

<220>  
<221> unsure  
<222> (1)..(187)  
<223> n = a or c or g or t

<400> 257

tttttttttt ttatgcaacc tatggctttt acttttttatt accaatatac aaagtacata 60  
 aaaaatatcc attttttactc taccttctct gtcttcctat ttccagatgc ttttaagtagg 120  
 aaagaaaagg caaggcaaca aaaaattcca tctattatac tggaaggctg acgtttcaat 180  
 ggcncaa 187

<210> 258

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA128177

<400> 258

gcggaaaaaa gatgtccctt taataaaacg ttatcaacat atatcgtaca caaactacaa 60  
 tgtatcataa ttactttttt ttcttctctt aattcagaac cagactacaa ggtaagaaaa 120  
 aacacagaaa cagctacaat gttcccaata atccgcacaa agtctttttt caggcagatg 180  
 atatctcaca taatatgata tacatggatc agaaagggag ggagtaaaac aaagaccagc 240  
 tacagg 246

<210> 259

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA128407

<220>

<221> unsure

<222> (1) .. (399)

<223> n = a or c or g or t

<400> 259

ttgcagtcag tgggtttttat ttgangaggg gggttttctgc tgaactgaga tgggggttgat 60  
 tgaacgggga cagagcgaag actggcagag ggcacacacg ggaccctggc cactcccggg 120  
 accctgacca ctccataggt aggtccttca tgtcttcagt caggcgagcc tgggggcccc 180  
 tgggnatgag cctgcatcct gagtggggcac ccccgaccca tgacaagcct cctgcaaggg 240  
 cagcttctag ctcatgggtc gtgagtcact cggggctggg caccgggcac tgggaagggtg 300  
 gccagagccg cgtctggggg gccgagccaa gcaacagcag cagcagcagg tgggcccagg 360  
 caaggcgggc tggtgtcaga gccttctctgc agctgctgc 399

<210> 260

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA128553

<220>

<221> unsure

<222> (1) .. (411)

<223> n = a or c or g or t

<400> 260

atttaattta tttatgtaat acagtgtaga aagctatcat ggcataagca atgattctgt 60  
 acaatcatcc tgcagaaaaa taatttttgg agaattcttg gtaattggag accagcagaa 120  
 cactccctcc cccacccccg taaaagtgtc tatgatgaac agggataatt ttnttttaat 180  
 ttttttttat caaagatcca aagatacatg gacaaaaaaa atgttcaaatt tctcaatgcc 240  
 taatgtgtgc acataaaaca ggcacaaaaga aatcaatgtg tatcctctta ttctatatc 300

acaaagagag cagaagcagc aatctgtaca gtaagatgca gtcattggaaa aagaattttc 360  
taagtcattt ggaatactta aaaaaatggt caaaatggca tagtgatcag g 411

<210> 261  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA128561

<220>  
<221> unsure  
<222> (1) .. (421)  
<223> n = a or c or g or t

<400> 261  
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agaccacaaa caaatgtttt tagacattga aaagtggta aagaccaact gcgcccagtc 120  
cccgaagtgc ctttttctga gtgcagaatg gagggtgacg tcttgagctg atgctgtgtc 180  
cccagcatca ggttttctgt tttccctctt ctccctttat tccttccttg tccattgccc 240  
tcaaccttct ttttctgttt gctctggcct gggttcagtat aacatatcca tgaactctag 300  
tatgggccta cggacaatca tagctacaat cagactttct aagcaaatgg ggaatgtgga 360  
tntacatata accattagaa accctatcat cacctcctag aggggaagtg aatttcctaa 420  
t 421

<210> 262  
<211> 232  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA129390

<400> 262  
tttttttttt tttttttttt ttttttttct caatagataa ctttatttga aatgaaatgc 60  
attttgaaaa tatgaaaaat aaatcacatc tccccaaaat catctaagag acatatttac 120  
acaagtctcg accatgctaa aaaattcatg aattgtgatg gtgtataaag catttggtac 180  
atgatgatac ttgctttcca gaagctggca tttgcatatt ataaaacggt aa 232

<210> 263  
<211> 363  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA129465

<400> 263  
tttttttttt ttttttttatt aacaagtgtg actcttttatt aagatggaat tgttcttatt 60  
aaagaaatag atgaaaatgg ttaagtacaa ttaaattggct ccaaaagtct tacaatgaaa 120  
acaacagtcc tgccagttgt tctttccaga ggcaaatact tttcattctc ttagtttttc 180  
cttcggttag ttaccttcat ggggtttttcc aaattattgt ttttttttag tttttcaagt 240  
gaatgcatat attaatacat aaaattttta aaaggccttt cagtttataa tgcattcctaa 300  
cagtcctctg ccccatcctt cctaattctc cagagcaatg acttttaact ctttttagcaa 360  
tgt 363

<210> 264  
<211> 422  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA129757

<220>  
<221> unsure  
<222> (1)..(422)  
<223> n = a or c or g or t

<400> 264  
tgtttttttt ngatatttctc atgtatactt cattttatttt attaatnanc naanccctgt 60  
aagggantnc tttgcctagt cntccgactn tgnttnatct tcatcttgac taatcnggaa 120  
gtaacnaagt cgtaggtctc cttgtcagat gcaancantc gaagccaatc acgaagattg 180  
ttcttcttaa ggtattttctt ggtaaggatg ttcaaatacc ttttagagaa ctgtttctca 240  
gaaacaactg tgatttttatt cttgaagcgt tcaatgtgaa caacattccc gagatttcca 300  
gttttgccat tgactttaac cttctcccgt agaaattgct caaaatttcc agaatacaaaa 360  
attccatctt ctactggatg agtaagggtcc aaattaaacc tccagggtga cctcttgggc 420  
tt 422

<210> 265  
<211> 255  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131084

<400> 265  
caagacttac aaactgtcct ttattcagag tgagactgcg gaacattaat aatttatcac 60  
gcggggagtc cccagaagcc ctgtgccac gaaccctgt ggcggaggag agaggcgggg 120  
actccgggag cttcctgaga gggccgtgtc ttgggagcaa ggtgacatat tcagttcagg 180  
cacgcggaac atgaactcag gaagtgggga gacagagaga cccatcccc aactcccagg 240  
acggggggcca ggccc 255

<210> 266  
<211> 435  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131162

<220>  
<221> unsure  
<222> (1)..(435)  
<223> n = a or c or g or t

<400> 266  
aaaggtgaaa catttttatt tagtttcatt acagagggtta aatagacttt tatgacatcc 60  
ngagaaaata nangaattgg ngtgggcnta antgngantt gttctnactn ttctnactgn 120  
ttttntnatg cacagctctt tcagttgntt ncaaataatga agtatatcac ctcaggatgc 180  
agagattttt gaattctatt tagcaatttc caaaagctga agtctagaac cgaagacaca 240  
tataaaaaga tgatttttaa atggaaccag ccaccttgaa aaatattttg aaaaacatga 300  
tttaaacttt agaaaataaa actttttaata cttaagagat aacctggatg ccaacgttgc 360  
ntggttgggc cnggacctt cccaggacnt aagaccnct ggggaaatcc atggggggcn 420  
ccggtggana tgggc 435

<210> 267  
<211> 562  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131220

<220>  
<221> unsure  
<222> (1)..(562)  
<223> n = a or c or g or t

<400> 267  
tagatttctc atagatttat ttctgcgtca tattatatat agatatatgc atatatacct 60  
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attaaaccct tccaggattg ccatcaagct tcccagatg gccagggcaa ngaaagaatc 180  
atctctcaac atgttaagaa acggctgccat ttcttaggct ctgggggttga agcagcagca 240  
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ggatgaacat gtccagtgcac tcctgggcat ggcagactag ctcccagaat tctcagggtg 360  
tgagtaaaagg tggggggcct atggctcttc agaggctgct caatagggtca ggggtagggt 420  
ataggaactg gggatcaggc atgcagggat ggggtggcag aaaaaacgcc tgtgggggtta 480  
tgctccagac agagcgaccc ccatcanggc taccactac tcaatgacat gtaatgnaca 540  
gggacagatg ctgagctcct ta 562

<210> 268  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131584

<400> 268  
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aattatacat caggattggt aggaatacca attattttac aactgccact acgtgtttct 120  
tcttctctga cacaagtggc acagatccag gcttgctgtg tttaatacga ttcacttcct 180  
ttcgtcgacg agcttctttc atgatgcgct gttcctgaat ctggctatag atagatt 237

<210> 269  
<211> 470  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131894

<220>  
<221> unsure  
<222> (1)..(470)  
<223> n = a or c or g or t

<400> 269  
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cgngcagggg tgcccccggg nccggctgct ggaagtgaat ggggtcagtg tggagaagtt 120  
cactcacaac caactcacca ggaagggtgtg actgcctgtc tcccactctc tccccccaat 180  
ccgggcctgg gcncacctcg ggaaacgcct ccttccccat gcgcctaacc tccttatctg 240  
gtctcctacc tttatcacca tcctccccct ctacagtttg tgccaggctc cacttagtgc 300  
ctgggaggag gggctgtggg gggagcatac ctcttctctc cctgcccagg tgttatactg 360  
atgccctgct gggtcnccac agctttgggc agagtggaca gcaggtgacc ttggctggtg 420  
gnagggcaga aggtggaaga acagtgtcgc cagctgggat tgccccctggn 470

<210> 270  
<211> 464  
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA131919

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 270

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ctcaagtgat cctcccactt tggctctcca atgtgctaga attacagccc tgagccacgg 120
ccccatgccc cgtttttacc agtgtatatt ttctactgga aaatgagact tttagggatg 180
aatgtggact tgtctgttga aacttgtaaa tttgcttaaa aaaaaaaga tctccaagtc 240
ttcacaaaat tttatattcc ccaaggctgc cccatcacia tgctgtgaa gcttgactgg 300
cagacactga ggcctgaagc tgggggctgc aggggggtcac tggctcaccg ggtccccccg 360
taatctgtaa aacatactgg gtgaggagg ctgctggagg acctgaatct ctcccttctc 420
caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa 464

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<210> 271

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132032

<400> 271

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tatgaaaatt ctcagagata atgcatttat aaacacagaa atgggttacia caaagatggc 60
cgtgatgagt ggggtataata tatttatata tatatatatta tatataaatc cgtgtccggc 120
atctgactgt ggcacctagg gagctaagtc cagtccctgc gtttgcttg aactctccct 180
tctccgcaac acccctgttt tggagtttca cagataacac aaagcctccc acagctcctt 240
gggggtgggt tgggggagact gagagtatag ggtctttgta ggcagagaag gagagaggct 300
tcaaggaaat ccgtaaaacc ataacacaca cttctaagcc acctgtgacc aacttgggaa 360
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<210> 272

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132514

<400> 272

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atgttgatac aggcacacaa acatctttca gcagcaacag actacatata taacgcatac 180
cagatagtct cgatggataa atctgcttca ccagtaattc tatttagtaa aatccacagt 240
taatggagaa ttccattttt taattttaca tctttactac acatttttct aatactttat 300
ttttaaaaaa cactcattca agattgtaat ttgcatggcg ataaacaagg gttccatggg 360
ttctaagttt cttaaaaagt tccacagcaa cttaaaaacac cacaagtctt ctttccaatt 420
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<210> 273

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132554

<400> 273

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tctaattctg tatagttcag caccctccac aggctgtcaa tctctgattt gatctacttt 120
taccagattt aacagatcct tgaatttact ttactgtata tacttccttc ttgtccacat 180
tggaatcaa actaatgctg gaaacatgca tcttcagact tcattgagga attccagatt 240
gagacacgct gggatgtgga ttgagtccat ggtagagaa gatggattaa atggaaacaa 300
aacaggaaac atgtgcttgg catctaatag cagttgctga gggtcattcc gctctttag 360
ttgtgcctgg attgttcgta taaaggccac tgttaccgt tcttcaaatt cattcagggg 420
agtataaagg tttaaaattt tgacaatctg c 451
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<210> 274

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132983

<400> 274

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aacttgagag tggaaaatgt taccttttag ttcacactcc taatccctta gtccccataa 120
aataaacatt cttaaagtgt agcagtagaa ataatggaaa ctccacagaa acagaaataa 180
attagtttct ttcagtcttg gtggaggtcc ttttgccgaa caccatactc cactgtgaac 240
agaattcatc ttgaacgaag aagaaatctt tggcctatct caccacgtct ccagcattgc 300
ataacagaca tttttcaaatt tcagtttctt ctccaactgc agcaaaaagg caaagagtag 360
tctgtttcag gagtctgcat cgggtcctgt gagagccttg gtccacttag aacaagcctt 420
taacttggtt ctggtttcgg tatccagatc tatggtcata aa 462
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<210> 275

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132986

<400> 275

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aggatgaagc cctccccaca catacactcc ggtggatgtg agcgagggtc ctgttgccac 180
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cacagtaacg cagctgcagt ctgtcggtag gggcccaggc taggggcagc accctctttt 300
ggcatacggg acatgccttg ctgcagctga tgtccgttag cctctcctga cacgcagtaa 360
ggagacctgg aagtgaggcg cgtgggcgtg gagttcccgg tggagcttgc tgcacagcc 420
tttcttgcca ctctggggtc agtgaagctt ttcccg 456
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<210> 276

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA133214

<400> 276

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tcaatttgag aaaagtgcaa tcacttaagt aacagcagtt acttaaactg aaaatgagat 120
cagtcaaaat tacttttgaa gaaagcaaca atattgtcag gtttcttgcg gtgg 174
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<210> 277  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA133215

<400> 277  
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 tggcggtggc tccagccagg ggggcttcca ggtaataacc agagcctcgg ctactctgga 180  
 ctctgtgtag ctcttcttgg ctggaagaag gggggcattg tgggcctgct ctgtcccaag 240  
 gctccagaag ctgcccctac ccaggcctgc ctgc 274

<210> 278  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA133296

<220>  
 <221> unsure  
 <222> (1)..(417)  
 <223> n = a or c or g or t

<400> 278  
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 acagacttta gacctggtgg tcaaatgaag ctgtggttaa tttatgacat gtgagtaagc 180  
 aattcaaacc tacgagaaga gtttataatc tggatatgtgg agtctcagggt gattttattc 240  
 ttttttctga caaattcctg agagcaagag acttggttag tgctaataaa atggagaaaa 300  
 cgttgctgag ccagttgctg agctccagat cgcaaacctt ccctaccccc cgttccacgg 360  
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<210> 279  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA133439

<220>  
 <221> unsure  
 <222> (1)..(395)  
 <223> n = a or c or g or t

<400> 279  
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 tcccaaacag cgccacgggg aagtcctcgc catcactgtt gctgtgctgc agctccccgc 180  
 tctgccccag ctctctccca acatcttcca tgagttgctc cagggtccagg tcaactggagg 240  
 cttcgtcctc aagggggaca cttccagcct cctgggtcag ggggtccccg tgtctgggct 300  
 cttctttcgc agatgagggg caggccccctt nacacgctga taggcccagg ttctttggca 360  
 ctgtttctaac ttcttttccc tctgaaaagc tggct 395

<210> 280  
 <211> 424



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133457

<400> 280  
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gcggggagtc ccacactctc tgggtccagg cacaaagcta tcctccgttg ttctgatctg 180  
cagagccagc gccctcagca ggtacctagt ggtggcagag cgtggcctac acgttcccaa 240  
ggaggccgcc agccgggctg tacccttacc ttgggggtgt gtgcagatgg aagggtggaa 300  
gagacagacc aacaggaagt gttctcttca ggggttgcca gcccaccct gaatctcaga 360  
gcatcctcct ccccgcaaaa aggccagggc actgtcccca ccatgggctc tgtacaagca 420  
gagg 424

<210> 281  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133527

<400> 281  
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tttgacagag gcttgtgtct tgctacttct atcactcgta ttttttttat ctccagaact 180  
tcttgaacta ctcttttcat cattttcttt cttcatttct ttcttagagg gatcaccttt 240  
tactttttca acagaaatca gctgtccatg cagctcagtg cgatgaagat gtgcaataca 300  
cctggacacc tctgtgcttg aagacatagt tacaatgcca tagcattttg ccccaggact 360  
tcgagcattt gtaactactt ttgcactcag aacctttcca tatttgccaa agaggttctt 420  
caa 423

<210> 282  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133590

<220>  
<221> unsure  
<222> (1)..(445)  
<223> n = a or c or g or t

<400> 282  
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tatcatcatt attattttcc acaacattta ataccaagtt tccttctctc acatagaata 180  
ttaccaata gaagtctcca aaaggggcca tagcacattc ataacaaaga tagaaaagaa 240  
aactttcaat gtctgctttc caatatgatg attcaactaa aacaaagctg aatttctcag 300  
ctatgaaact gaaaaaatga aaatcagccc atgtgtacat cacggccagc catgatcatt 360  
aacacctcca tgganatgag gggagaaaag agagaaacaa ctgcttcctt cttaccctaaa 420  
cttctaatat tagcttcaaa ttactttaaa aaaa 454

<210> 283  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133666

<220>  
<221> unsure  
<222> (1)..(451)  
<223> n = a or c or g or t

<400> 283  
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ggtgngaagc gcttgnaggc agtgtgggca ccaggcaggg gatcccggag aaagccctct 120  
gccagggaca tgggtagggc gtggcatcac cacgaaggga gcataaataa cactggcagg 180  
tggtgtggga gcaggagagg gagagcggac annacacggg gacacgcagg gtcggcggga 240  
aaatgctggg acaggggtcac acggggattc ggacacgcag acacagaagg gatcatggga 300  
cgcccagagg atgccagagg gggcagacac accagagact cggggatggg catggtgctc 360  
tgcccgtggt ggccctctct ccaatactcg ccctgggctt tgcaggcagg actgggcggc 420  
tgagcactct cccagcagag ccaagcaggg g 451

<210> 284  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133936

<400> 284  
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tctcagtttt cccatctgca caatgagggg gttggagtgt gtggtctcta aggcactgaa 180  
tttcagtctg ttctccatcc atcagtggat atgtgagatg caatgcaggg gtgctggcct 240  
gtccctggta atgagcgagg atatgagcaa agcagtgagt acagcctgga attccagcta 300  
ctcaggaggc tgaggtacga gaatcacttt gaacttgga ggctgaggtt tcagtgagct 360  
gagatctggc cactgcactc cagcctgggc gacagagtga gactctgtct caaaaaaagg 420  
attctacgac tatgat 436

<210> 285  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134052

<220>  
<221> unsure  
<222> (1)..(410)  
<223> n = a or c or g or t

<400> 285  
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ccaagatgcc caccgcttg cagcagggg tactctgcag gttgaggagg accagcctgg 180  
gnaggaggca agaggctgga gcaactgcagg ctgctggagg cggttgttgc acagtagcag 240  
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ctgcagcacc tcaagggcaa cgcagggcca gccagtgcag gtggcagggg tcggaggcgg 360  
attgtgttga caaagtcaag atgggtgacc aagagcagct gttccagatg 410

<210> 286  
<211> 462

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134063

<400> 286  
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tgtttgtttt cttagccttg aagatgacca ggtagagaga cagagtgaga ccaacagttt 180  
ttctgatttc cctgctcctc ctattccttc ctaaaaatca gactcattgt gaccagtagt 240  
cttgaggact caagctgaat gatagagaag gcagctcaga cagaaaagaa aaaaagtaca 300  
gaatttgaga agatcggaga tgaagaaaac gtacaaaatt atatataat ttatatatat 360  
aataacatga catatctatg tacaacatgg ctgggacagt tgaagaaact atacaatggg 420  
gttcagcatt ttccccttcc cagatggact ttaaggatga ca 462

<210> 287  
<211> 389  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134158

<400> 287  
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aagaaagaaa aaagaaaccc aggggcctgt atcccctgat taaacacagc acagcactcc 180  
aggcagacat gccggtggcg gctcccttgc accattgacc tcaggccaga cacctcagcg 240  
ccaacaatgg gacctcggcc ttccggctag gtttgcccca ggctgggcag gaaaccagct 300  
cggccgaaga caggggccc ttcgagcagt gggaccccaa gacagcaaac ccagcccagt 360  
caggacttga cacttaggac aatatctat 389

<210> 288  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134549

<400> 288  
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aaactgctct ttatgagacc cccagaaaag ctggaggcac ttctcttttt tggaggagag 180  
agaagacact acttaactgg ccatttcctt gctggagttt attccgattc ctttttgtct 240  
gattcttctt cctcaaacct gactaaagga gtgtgtctgt tggcctgagc accttctctg 300  
tagaacactt tctttactgt gccatccttt ggagacttta tggatatgctc catcttcatg 360  
gcgatcataa ccatgaggga atctcccgct ttcactttgt ctcc 404

<210> 289  
<211> 466  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134968

<220>  
<221> unsure  
<222> (1) .. (466)

<223> n = a or c or g or t

<400> 289

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gagagaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga 180
gctgatatgt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac 240
tcccccgatt tggcccggtg agcttccctt tgagggtgtg tgacttgcca tctgcaaaaag 300
tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc 360
ctaacagagt gccagggtcc tctgtcncct ccgcacctga ggncaaagtt ccaggaagtt 420
tactgccggt gttaggaggt gagctcaagt tcagtgtctg ncttct 466
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<210> 290

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA134985

<400> 290

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tcagcctctg ggcctgtcca ttgtttttgc tgtgtgagct ggggtgtggg gtttgctgca 180
aactgggata cagaagagga attctcgggg ctctaattggg tatcagatct gccatcttgc 240
atcagcgggg cctggttctt ggaggtgtct aagctgggtg ctaagggtt atccccagca 300
tcctttctgac agcctccagc cgggacagga ttcgtggggc ctcttggtgg acatagcatc 360
tgtagctccc caggtcttat gcgaagtagc tggctccccg t 401
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<210> 291

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135153

<400> 291

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ccttcccaac ccacttccca ggtttttaaaa ccttgattac agatcccaaa ggattagact 180
gtatcggaga ggacacagta ttgaatcaga aaaagaagac atgtttttaaa aggtctgtac 240
acaggtagtg gtgtgtgggg tgggggatgt acacttcac actccaacat caaaaaacat 300
gatgcaaaaa ggatttcagc gatgaccaca gatttctaga accctaccac gtatgctagc 360
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<210> 292

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135407

<400> 292

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caagggtggg gagaattaca aagaaccttc ttaagggtgg ggaagattac aaagtacctt 240
cttaagggtg ggggagatta caaagtacat tgatcagtta ggggtggggc ggaacaaatc 300
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acaatggtgg aatgtcatca gttaaggcta tttttacttc ttttgtggat cttcagttac 360  
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 agaggcctga cacat 435

<210> 293  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA135558

<220>  
 <221> unsure  
 <222> (1)..(413)  
 <223> n = a or c or g or t

<400> 293  
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 gtatcagaaa tgcttctttc ctgggaaaag gaatataaat gacagcaaga cacatttttag 120  
 ttgctactaa agaacagcat tattttcaat catttttaagt cgctcattta aanangcaag 180  
 ggtntaaaaa cgggttttaa ggtgggagcc tgcaaaaagg taattaatta aaaaagtgtt 240  
 tcctccccgg gaaacagcac tgtttggctc gnatcaaat ccgaagctgg gaatctgatt 300  
 ctgggggtgcc gtctcttcgc tactgggagt tgctgaccag caggctgccc attcacgaaa 360  
 agagggttggc aaggccaggc cccaggtng cgctggggat ttctgggctg ggc 413

<210> 294  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA135871

<400> 294  
 tttaaaatag ctaaataaat ctttaatat tctaattgca aatgtacaga aattgcacag 60  
 ccacacagag tcttagaaca ccaacagctt cctctgtaca ttattacata gttaaaagtc 120  
 gcagctggag ggaggagctc cagcccaaac tccaacggtt gcattttttc cttttcacat 180  
 acttacaaaa gaggggagct gggacgcggt gtgggagctg gggggctttg tggctgagtg 240  
 tgtagaaaag agagaggctg tttccctgga cagtctggct cccgcagtcg tgcgggcccgc 300  
 aggggggaggt gtacctgggg cagatgc 327

<210> 295  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA135894

<400> 295  
 gctgccacca ccatgaaaga gtggccacca catctttatt gcatactcag gtgaataact 60  
 tattatacaa tgaacactcc tccattagga gaccatgccc acttacagaa tgcagccgta 120  
 aatgcggtaa atctatttac agaggttggg gtgcaagatg agagaagtat cagccccagg 180  
 aatttgaagt gaaaatgatc tacaaa 206

<210> 296  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA135958

<400> 296

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atcatgtttg tatcaagatg tagttaaact catggcacat tttaaaccatc tgtaagtcag 60
aaggatcact tttggaagag gccaatctact ggcaaaagtg attcattatc aagacaaaaa 120
gtaaatgtac tttggaagtg taaaaatcct aaaaaatcct taaagaacct tttataaaaag 180
caatgcaaag tatttactat acatctgaat aatatgcact tcataattgt gcctcacccc 240
acctcctaaa atcttatatt gatctgtgtt ttgggtttga gagccacctt aatgtggaaa 300
tgcaagaatc agcaggatca agtccaagaa gaatgaagcc agatggttct gtaagacca 360
atgtgaatag acatatatac caggaattat ttaaactgct taaccattcc caccaaaatg 420
agtagggtat attta 435
```

<210> 297

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136079

<400> 297

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cagttaattt agaaagttaa ttttgccaag gttgaggaca cactgtgaca cagactcagg 60
aagtcctgat gacatgtggc caagatgggt ggggcatacc ttgggtttat acatttttagg 120
gagacataag acattaatca atatatgtaa gaagaacatt ggttcagtgg ggaggagct 180
tccaggtcac agataggtga gacacaaaaca gttgcattct tttgagtttc tgattagcct 240
ttccaaagga ggcaatcaga tatgtatcta tctcagtga cagagagata actttgaata 300
gagtgggagg tgggtttgcc ctaagaagtt tccctaagct tgagttttcc ttagtgattc 360
tggggcccca agatattttc ctgtcacagt tgacatcccc aacacagtgt ttagggctca 420
gaaaaagata ccctaaa 437
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<210> 298

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136269

<220>

<221> unsure

<222> (1)..(175)

<223> n = a or c or g or t

<400> 298

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gttcagcaaa tttcattgga ttaacagcgg ctgggttata gtagctagga acagctattc 60
ctgtctctgc caaagcttta nttgcagggc tgccatctga gctgccatgg ctatctgagg 120
tgttacttgt gttcctgatg ccaacagggc agcaacattg agaacagaac ctcca 175
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<210> 299

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136332

<400> 299

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ggctttctgg gtcttttatt tgtacccatg tgtctgtcac accatgaatg tacctgggga 60
aatcaactga cctccctgaa catttcacgc agtcaggga caggtgagga aagaaataaa 120
taagtgattc taatgctgcc taggtcacc tcaaccccca tttactggca caattgggtg 180
```

gagagaaggg aagggggtatg attgtcctga tggctcaggg ttgcaggagg ttcagagggg 240  
aaggagggaaa ggccaggctg gaggctgggc tggttagcact tccctcccac agttcagacg 300  
gctcactctg ggctcaggtt tgccatggct tcctttggtc caaacatagg ccctgtcctt 360  
agtcctgtgc cctgtttgac ttttggccag gaggcctttt ttgtgctgct gctgttgacg 420  
ggctagctg 429

<210> 300  
<211> 435  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA136333

<220>  
<221> unsure  
<222> (1)..(435)  
<223> n = a or c or g or t

<400> 300  
catgcttttc aacaagattc aacatctttt atttacatgt ttatgacata cattaatggg 60  
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tccaaatttt agtcaggttg aaatgttttt ccactaacct gaaagataag ataaatgagc 180  
agccattata aagttatggg ctgtatgtca attcacgtct taaaattgaa agtcagccac 240  
acagctgtta aaacaatggg aaatttgcaa atgcaaatat ataatgcatg cacagctatc 300  
acatttatct tttatcctta aagccatttt taaagtaaac tgggagaggc aacttagtaa 360  
tatatgtaca tcaaggcaca ttcttttctt gtgctttagg aatgatttac atgtgatctg 420  
cntatatcnt aattt 435

<210> 301  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA136474

<400> 301  
caaaaatgaa atatttatta ccgctttttg tgacttaaca cctttttttt ttaacataac 60  
gtcacagtcc tcatacaagt attttaatgt aaatttgaca aagcttaaag gtaacagcat 120  
tttcttctag tgaggaacac gtgctgagaa aagaagaatt catggacata caataccaat 180  
tccacagcag atctgatact agcaaaaaca ttcttttttt tttcaattga ggtaaacaca 240  
tagaatatct aacatgaaac aattaataga ccgaactctg tacgaagttt gttacagtat 300  
tctcttgctc ctttttatcc cccaagcttt gagtttctga taaagtccta gttatgggtc 360  
aatgaccatt aataactttt tttgtgttga ggaaagctgc ccaacttaag attgttttgt 420  
ccacaaccaa ggctcagaac t 441

<210> 302  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA136547

<400> 302  
ttcttaagta gctatattta ttattacttt ttccagcaat tttgcaagag gcagaagtgt 60  
gacattgaat tgagtgaagc gagcgtgtgg gtgggttggc gaggagccat tctcctgacg 120  
caggctgctg gcttgtcaag gaatggctgg ttccaccgct gggccgtgtt tactcttttg 180  
cttcaaggaa aagggtttct tgagggaaca actttacctc caataatgat ttatttgggt 240  
ccagttgagt tacgtctctc ctaggaaagg tgctcagtaa cttgtactca tcccatggaa 300

atccttttga agctacaaaa tcaaagacaa tctggagctt gttgctggcc aggaaacgcc 360  
gctccaagaa ctgccactg ggggtccg 388

<210> 303  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA136611

<400> 303  
aacaaagaat acattattat tattataagg tactcatgag taaagaacaa tgaataatat 60  
acatctaatt ttttaatact caatgcacaa tcaacatttc tgatcaacag tataaaccat 120  
ataaaaagaga attctgcttt tcatttgtac aaatactgct ttcattcattg caaaactttc 180  
aagggttaaaa cgtaccatat gttgaagcta taaagctatt gcttgaatgt ttctaaaacg 240  
aagttatttg ctgtctgttg ttaatcggtt acattgtcac ctctaatacc agtcatcaaa 300  
tccataggat ctcttaattt ccaagagatt gtattgtaca gcaagattat ttttgtggcc 360  
aatcaggtc ataggattcc ttttttttta aagataa 397

<210> 304  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA136864

<400> 304  
cacacagaca cagaatttat ttctggacgc attctgcagg ctggaggtcc cggcagcaca 60  
gggctcacac cttgggtttt gcaaacacct cccagccctc cagccggccc atcttgacca 120  
gggaggccgc tatgccaaag tacacgcagg cggcggcgca attcccgtag ttgtgcgtgc 180  
gtgctcccag agtcaggcct ccgggcagca cccgaggaag tagttcaggg ggtcgtcggg 240  
cttctgcggg acatggggcg tgatgcaggt ggtgaggcca aacacggccc cgacagcagc 300  
tgcagtgaac gtgtattgtc caacotttag cactccttca aggaagggtgc ccggagattt 360  
gagtgtgact ctgtaggcag cggcgggtcag gccagcgacg ctgaaaataa ctggtggtgc 420  
tgtaggcttt gcggtggca 439

<210> 305  
<211> 365  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA136940

<400> 305  
tagttttttt tgaatatatt tacaatataa atactaattt gtttccaaag tacatattct 60  
tttaacaatt tgagaaaatt atctagcata cgacagtaat ttaatgtaaa gactctatag 120  
tagtgattaa ggaaaaatag aactgttttg gggataagga atcctggcta tgaatgggca 180  
tgatgatctg aacttgcaaa gggaaagtga agcagcttag tccacattgc actgctaata 240  
caatatgtta aaggactact atgtgagata gcaacctgga tatggtgtta ataaaaacta 300  
aacatgagag gatataaaaa gtacacatgc ttgcataggt gtgttacttt taaagaagct 360  
ccacc 365

<210> 306  
<211> 391  
<212> DNA  
<213> Homo sapiens

<220>



<223> Genbank Accession No. AA142849

<400> 306

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tttttttttt tttcaagtaa aaacttaaaa cgtttatttc tggtagaaat gataaatact 60
ttgcattaaa aatctggaat tcaagttttc ctcgtacttc atgctccctc cctgccccag 120
aaccttacaa aaatatttct gtctagagag ggaaagagct ggtgcctgct ctggaggcaa 180
cgtccaggtc cgggaaaggc actcgtgggc tgtgatctgt ctcagtgatg ggaggtctcc 240
actcgcacca caggcagcct cggggccaga gatgagaata tgctgtaatc cagtacaggg 300
gctgcgtcgt ggggtcccaa cagctccttc tttggggata gtgagccctt gttggggagt 360
aggaagggac tgagggggcg tccctcgtg c 391
```

<210> 307

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142857

<400> 307

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agtttgaagt ttatttagta ataaacataa gtcattggctg acaactgaga aaatcctatt 120
cacataaacc atcatagatt aaaaatacat agtatttgta ctttaatgca ataggggtccc 180
aggattcaaa caaggaaatt tgattccaga gttggcatta tgtagttatg tactctgcta 240
caaagaacta gtggaggtaa acttcggcag taaaattctc aacagtcaaa tattaatgca 300
tttcatatac atggccttgc atccgtagag gaagatacag ttcctcagca cagctgccaa 360
tttctgagtc tccactagag aatcctcaac agtttcttct tcagaatcaa attcctgatt 420
atccgtgatt caaattatcc gaggttcacc attcacctcg tgc 463
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<210> 308

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142858

<400> 308

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aagactccac acctaggtat gtgcacgagg taaggcctga gctcaggcct tatgatactc 120
ctcaggaccc ttgggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180
cttaagctct tccaagggtg ctgtggacag gatcagcttg tactcttcca acgacaggcc 240
actgaagctg gtgtctctgg ggcgagggtg cttgtgtttg tagtagtttg aatggagtcg 300
cgctaagtct cgtacatctg atcacaggcc tcaggtctgc aacctgggta ttctctccct 360
cccgaaggc ctgtgctacc cgtgtcgca ggtaagcgcc caagtcccgg ccccgtttgg 420
tctcgtccac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480
ttgggccccg cgtgttcccc cccctcgtgc c 511
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<210> 309

<211> 624

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA143019

<220>

<221> unsure

<222> (1) .. (624)

<223> n = a or c or g or t

<400> 309  
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 gtcacgcgtc agaaaatcag cttggattgg tgccaagtgt ttttttattg ggtaacaccc 120  
 tgggagtttt agtagcttga ggcaagggtg aggggcaaga agtccttggg gaagctgctg 180  
 gtctgggtgc tgctggcctc caagctggca gtgggaaggg ctagtgagac cacacagggg 240  
 tagccccagc agcagcaccg tgcaagccag cctggccagc tgctcagacc agcttgacaga 300  
 gccgcagccg ctgtgggcag ggggtgtggc aggagctccc agcactggag acccacggac 360  
 tcaaccagc tacctcacat ggggcctttt ctgagcaagg tctcgaaagc gcaggccgcc 420  
 ctggctgagc agcaccgccc tttcccagct gcactcgccc tgtggacagc cccgacacac 480  
 cactttcctg aggctgtcgc tcaactcagat tgtccgtttg ctatgccgaa tgcagccaaa 540  
 attccttttt acaatttgtg atgccttacc gatttgatct taatcctgta ttaagtctct 600  
 aacactgaga naaaaaaaaa aagg 624

<210> 310  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA143493

<220>  
 <221> unsure  
 <222> (1)..(479)  
 <223> n = a or c or g or t

<400> 310  
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 tggcagtgtg attgttccaa caaaggggaa ctactttggt gcccgaggaa atggctggtt 120  
 gtgatgctgg ggaaaagtca agatgctgac gcctaattgt ggttctagct ttccagggtt 180  
 gtaacatgaa gatgggggaa gaaatggcac cactgctgtt tgtaatctga ggaactcttg 240  
 gcagcattca ctctccaaag cagtacaaaa cttacaaaaga agtcaaaagt cttaacactc 300  
 ccattctccc aggaactctt gncgtgtgca tctggttaagg aggggaggaa tccctgggttc 360  
 cctcagggtc cttgtcatgt tagctttttg atagcttcaa tccactcggc tcgttcagcc 420  
 ttgctggttg gcctgaatgt aatagtgtgt gtcancctag taatcncctt gaagagggtt 479

<210> 311  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA143763

<400> 311  
 tttttttttt tttttttttt tttttttttt tttctgatcc atgcacacct tattccatta 60  
 ccaaccactg tgccgcatcc aagcaacagt acacaaactg gcaatcaacc gcagtccagt 120  
 tgtacaacga tctgaggctt acagtacatt taaggctttt aaatgtggaa aaaaaaatta 180  
 aaaccaaaga acccccaaat ccaaacacct aaccaacaca agtagtatag caatgttaag 240  
 catctctat ttctgatgct tatttggcgc aactt 275

<210> 312  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA146619

<400> 312  
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<220>  
 <221> unsure  
 <222> (1)..(414)  
 <223> n = a or c or g or t

<400> 315  
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 tggggtggga gtgggggatt ctgctcatcg cttaggaccc caggctggca gaggagggtt 120  
 tcaactggag agctgcttct atgtggcaac ctggaccag gctctcaaag cttctgcca 180  
 gaagtgaacc tcggcggttc tgctcatgct ccactcgccg gggcagcccc gacctaacct 240  
 cccagcaggc agcnatcaca tgttacaggt gcccaggaga ggagaaactg cacctttgtc 300  
 aacaaagacg accacggagg ggaagactgc tgatggaggg tggtcaggag tagggggggt 360  
 tgttctctgcc tgcagtttct cccctatctc ccaggactga gctcgacaca ggca 414

<210> 316  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA147626

<400> 316  
 gtttaaatta cattatattat tttttagatc atccctctta gtcctgcatg cattgttagc 60  
 acaaaaagtt gaacttgatc acaacttcct ttgaagagag agtaggtaca caatgacct 120  
 ctgaagagtt tctccacgga gggaccaaga attccagacg ctggtaacac tgtcagtaac 180  
 ctacacaact ttcaatacaa aaaaatttac caaatatcct gtttaatgta aacaaggcag 240  
 gaggcaaaac agagtattac agtaacacta ttttacaggg ccagaaaaat gtgattatct 300  
 accatgtttt aacacataaa gtgtcacaaat gacatgcata tttgatttac tacataaccc 360  
 aaaatataat taccatatag tgtgggtttta gcacttcact gtaacgtctt ctggg 415

<210> 317  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA147646

<220>  
 <221> unsure  
 <222> (1)..(325)  
 <223> n = a or c or g or t

<400> 317  
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 aatcatctca gaaaatatac tacattttatt aaaattccta caaaccattg cagaaaaatat 120  
 taaaccctct aaccaacctc acactcgctt tcnnggncc ctgggtgatga ttttcacagc 180  
 ttccatagtt gcaaagaaca aagaaatcat cttccaacag ggggtggaatt agataagaat 240  
 aatccaaaan atattttatt ctttacagac tcacagattg cttggatgtt taggggctct 300  
 taccctagga taccctaatt attca 325

<210> 318  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA148480

<400> 318

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aaagtaatTT ctttattgag aaaataaaga catggttcct aaggaaaagg gctaaaaatg 60
accatgTTTc aagtacacta gtgaatagca agtgaaacaa aatgtcttaa gcatctatat 120
gtcttatctt agatacatat aactattgta ggaacattat ttctcttata tctcaggaaa 180
catatTTtagt tataatatga aaaaaaaact aaaattgagc ttctaataka aaatcaaacc 240
ctatcagaag aagagttacg tggagtaagc gattttatac cgatgctgga cttactctcc 300
ctaccataaa atttgataa acaacaaaca tttattaagc acctaccaca tg 352

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<210> 319

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148539

<220>

<221> unsure

<222> (1)..(555)

<223> n = a or c or g or t

<400> 319

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gcataccaac gttactccaa acaataaaaa tctatcattt ctgctctgtg ctgaggaatg 120
gaaaatgaaa cccccacccc ctgaccctta ggactataca gtggaaactg ttcattgctg 180
atgaatgcag cagtcaccaa aaaatacacc caatcttcca gataacctca gtgcacttta 240
ggaaatcaaa aattacctgg aagcaattta gtacatagat tggcttttta aaaaaacttt 300
tttttttttt ttaaaaaacag cagcattaaa cttagtgaac tgacaccgac atgattaata 360
ccatcttaac acactcagaa ttccgccttt cacattataa tcaagcatag tgggtaaaact 420
ggttataaaa gtgactttgc tacgagagac aggttagggg aacaaacaac ctggacttat 480
gggtagaacc cntagctctg gtccagattg ccataaccat acacattttt aacnccacgg 540
tacactgtac agctg 555

```

<210> 320

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148885

<220>

<221> unsure

<222> (1)..(452)

<223> n = a or c or g or t

<400> 320

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ttttttcctt ccatcattta tttaggaaaa agttttatgt attagggtaa agtggtagaa 60
gttaacctag aatctaataa tctccaatca cccattcctg atctaatagt agccatgaga 120
aaaaatctct agaaagaatc atacctctca aaaaataaaa aataaaacaa aggctgggtg 180
cagtggctca cacctgtaat ctcagcactt ccggaagtgt aggtgggcag atcgcttgag 240
cccaggcata tcgcttgagc cctgggcaac gtggcgaaac tcctctacca aaaaatacaa 300
aaagtagccg ggcatagtga catacacctg agcccaggag gttaagccta cattgagccg 360
tgattgtacc agtgactct agccagggtg acagagtaag accctatctc aaanaaagaa 420
gtgccataaa aaagaaaagg ctctagcctt ta 452

```

<210> 321

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148923

<400> 321

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cagaagacag aaaacattta acaaatccaa agcaattaaa aatagccaca aaaaaagaga 120
ataacctaga ctgacagctc acagagcaag gaggtggcag agacctgcc aggtgagctt 180
ggctgttgcc cccagctcaa tcttcctcct ctcctctctc tgtcccttca cctctgatca 240
gtcccagcct gattcccgtt ccctgatgcc tcaccttctt gctgccagat gcctctagga 300
actagggtcc ttcagactcc agatgccctg gcctgggctt aggacatctt gacttcccca 360
gtggaca 367
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<210> 322

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148977

<400> 322

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ttttttgaat caaaagcagg gtttattttt ctatcaaadc cccaatccat gttccagcca 60
atggatgaag ggtgaatcaa gccccacata gactcttggg aaaaacaatt ctaactttct 120
aaaaaaaaaa aaagccaaca cacttttttc tttcttttca aaaagctccc aggcctttgg 180
gaacagctga aacaaattca tatcctgact aggtctgttt tctcttaggt atttgatgg 240
tccctctctg ctgcgacttc tgcacagatg aggcactgat aatggcctgc aggtcactca 300
caatcctagc tccacatcac tccatgggtt gataacctag aaccacgtta tgatttccat 360
ttataatgcc ctaagaacag ctgaaaagat ctgtattaaa ttctggcaaa tctttattga 420
gtgcc 425
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<210> 323

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149253

<220>

<221> unsure

<222> (1)..(567)

<223> n = a or c or g or t

<400> 323

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aatatggaca gggagtctca ttgtgtttat catatcaatt aatattacag tacatccttg 60
gtaatacaaa attgtacacc ttcacataat aaattaggat aaattaaacc aataaattat 120
gcaaagtctt cagaacaata gacaacaaca aaaattcaca attgaaattg cctctagcta 180
aaaaaaaaaa acaaaaatca aaaattgact ttatcagttc agttattgta ctatattcaa 240
atcaaagggg ctttattaca aaaaagagct taataatgct atttacaaca tattgctaaa 300
taatataaag gcagtgtttt gtcacgggtt atactatata catatgagaa atggctggga 360
caatattgag ggaagcccat gaccttttgg attcttccag gtagcgctga gaccnatccc 420
aatacatttt ttttccttag ttccaaattt gganggcgta atatngcagt tttnagaaat 480
tttccncccc cnttttttag gggggattgg atattttana aaaattccgg atggaatacg 540
gtttccccna aggagggtag cntgggt 567
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<210> 324

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149530

<220>  
 <221> unsure  
 <222> (1)..(329)  
 <223> n = a or c or g or t

<400> 324  
 attcgttttt tttgtttgtt tttttttttt ccaaaataag cccagaccat taaacaagtg 60  
 aaactccaac aaataagtct tctccaacag cgagaaaaac tgtacagtta ctcaaagctg 120  
 attctgccag tggggccggg gacagaagtg ggtagggagg gtgaaatcat ggaggngggc 180  
 ctggggaggg ggctggagcg ggagagggtc agggtcctgc ccatcagagt ggggccgcct 240  
 gcgtcctgca cactctgctg tcaggtgggg tggggggcag ctcttgcttc cctgtgtgtg 300  
 tgagacgggtg tccctcacca cctcccagt 329

<210> 325  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA149586

<400> 325  
 tttttttttt tttgataaca attgtgggtt tattgtgtcc aaccaatgca tcaataaatg 60  
 aacttgaagc ccaagcctgt gtgtgtccta attccactca cccagccccg ggcacctgcc 120  
 ccactcacct ctggccttga gaaggggctg gtgtcgggtg ttgcctggct gcagtgtctc 180  
 acctaggcta ggtgtgcacc ttagaagcac aaagcgggca cagttgtggg taataagctt 240  
 actctgcagg ccgctgggtg tgtgccacc ctctgagcc cggaaagagg acctgtcagc 300  
 tcctgagagg ctgctacggg tttgccttgt tctgttcagg catctgaggt aagaaggagg 360  
 ggccagagga gcacctgtgc cagccttcac catgag 396

<210> 326  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA149889

<220>  
 <221> unsure  
 <222> (1)..(315)  
 <223> n = a or c or g or t

<400> 326  
 gggatgggaa aactttatta ggtttggtt ccagcttcgg ccacgcgggc tccgcnacac 60  
 agaagctcgg gtcacggggc gccccagccg ccctcctcgt cgtcctccac gtcgaggccc 120  
 gggatgccgc ggatctggcg ttgcagcgcc ctcccagcaa gggcacggcg ccctcctcct 180  
 cctcctctgg gggcgggcggc ggtggcgggc acacggcccc gggggatggc tctgggggca 240  
 cgggaggctg cncgacacgc cctctgcnc ctcagagatc cctgccgctt cgccctgcgc 300  
 cccctcgtcc agggc 315

<210> 327  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA150053

<220>

<221> unsure  
<222> (1)..(344)  
<223> n = a or c or g or t

<400> 327  
gagcaggagc tgggcctttg agggccctgc tccaacccca agctgcattt atgatataac 60  
ccatcacagc tggatttttaa aaatacacaa aaaaatatat aatatacatt ataaaaccta 120  
ggtgggggttt ggaggtggcc tgagcgatat gcaaacagtg aggaccttca ggaagctcgg 180  
gcaggggtcgg gatgnnngnag ggaaggggca cagtacttca tatganactc ataaaataccc 240  
acaggtggct gctggacagg cccagctggc tctggggggc tgggtgttta agaagggaca 300  
gcaggttgaa ggggttaacc ttcaagtccc agaaactggg gtct 344

<210> 328  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA150205

<400> 328  
gtattatttt gttttttttt tgtttttgtt tttgtttttt ttggtctaaa tagaaaaaag 60  
gaaaaggaga aagtaaaattc ttagggccag acctcgaaat gcccgaagtg tccaattggc 120  
agctatagca tttgtgagga ggttcctttg ccctcagacg agtagtttca acatttcagt 180  
gaaaacaaaag gttgcagaaa gctgaaaacc cagatcttga aggttgctgt catatatgtg 240  
tttgtgtttc ttatattatt tccttttgac ttcagttttg catcccaaat atgtatgggg 300  
tggcatttta acagtcaatg agtcaaacag tcaaaggagg acaggagggg agccagctgg 360  
taggagggag cagcaaccgt gtgtggacca agcgccattt ttgttttata gacgtg 416

<210> 329  
<211> 504  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA150284

<400> 329  
tttttttttt acaatttcct tatttccttt attttaatgt gtcaaaaaaa cacttaaaga 60  
tattcttgta aatacatata agctgtgtgt caacattcag tactatgcaa atcatttttc 120  
aatatgacaa aatgaaaaac ttacacactt tagggtagcg cttataactt atctttgaaa 180  
tctattgctg atgctaggtc taaagagcaa tgactcaacc agaaaaaata gttaaaggctg 240  
ccttttcctt tttaaagtgc ttattagctt tatatccaaa aacaatggtt tttacaaata 300  
cataatactg aaagggtgctc aaaaagtcac cacttacaga attgaacatg tcatttttcta 360  
actctgcaca tgtaaacttg ttttatctgc attaatgaag attgcttcaa atggctctca 420  
atcatatgct tcaaatcaag acagtgctaa gttccagcag cataaacagt gacagcagga 480  
ccaaccccag cacattttca gtgg 504

<210> 330  
<211> 206  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA150776

<400> 330  
tagggtttgt ggcacataat ttgtttaatc cagattggat acatcaggta cagcagtggc 60  
acacgactca atactgtaaa tgatatacat gttttaacat atgcactaca gtttcaaaag 120  
aagacgacag gaaactcaag ggtgtttttt ttttttcata gaaagttttc atgttttatc 180  
ttcctgcagt tttgtacagt atattt 206



<210> 331  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA150891

<400> 331  
 caataacata agagtcagga gagttgggag gtatgtccta gggatgtgat tgactcttga 60  
 catttaacaa ctttgaacaa ctgtgtgtaa agtcacagac agaggaagca aggatttttg 120  
 ttatcgaggg acgtctctct ctctggttgg aagtttgggtg cttgggtgca tagtcttcca 180  
 gagctgagac aggaaatgta ctgtgctgag aaatgggccc cttgccagat gctccccctct 240  
 ccttctctct tgcgaggcag aaagtcagaa ggtagagatt gctggcaaaa ctgtgaagtc 300  
 ccaccctggg gtctcaaccc caactccact gaagggcagc ctccctgacc gtgtgtgact 360  
 aaggcagtaa ggggtggcgg ttgatggcgg ccgggaaacc gagttttcga aggttcacat 420  
 ggccaagtct ggcttctgat tctgctgccc tgcaaagaaa 460

<210> 332  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA151182

<220>  
 <221> unsure  
 <222> (1)..(438)  
 <223> n = a or c or g or t

<400> 332  
 ttttcaagta gangtatattt tatttnaagg caccntaaaa tgntgatntc tctaagaaat 60  
 acctntcctt ccgtgtgtga aaatccttgg gggaaaaaaaa atcccacacg gtgttcttgg 120  
 ccatcaggat catgaaaaca aactttgggtg aatgtgagca actgcgccag acaggacaca 180  
 ggttacaggg cctgacgtca ctaacggtta ctgacaatct tggaatggac cctactgctg 240  
 atgtttcaaa aggacacaga ggtgaactgg tcacttctaa ttaagaagag ccagtggggg 300  
 gggggaagct gaaaaccaaa aatccacgta gacatacgtg gcagtngtga acgtctgtcc 360  
 tccccttct tctctcact tcctctctct ctcctcactc aggnatgggtg ttctcenggg 420  
 tgtgcggatg tcagctgc 438

<210> 333  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA151210

<220>  
 <221> unsure  
 <222> (1)..(426)  
 <223> n = a or c or g or t

<400> 333  
 tttttttttt tttctggatg aatacatggt ctgggtcttgt tacaggttct ggtaaatacag 60  
 atggagaaat gttgttgacg aaatgtcagc aaactttaca gcagtagttc acacatgcag 120  
 ctactataca ttcattcatt gctattttcc taagaaatgg agcaacctag gagcttatgc 180  
 tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240  
 tgtgatattc tcctgttggt ttgagtttcc aaacctgaaa ttcttttaaaa tacattttctg 300

ggatttttatt taaatattga tgcnacacac ctaaaaagca gtgacttctt gggtaaaatg 360  
 taatactgaa atggaaaatt gtcttttcaa aaaaataaga agtgtgggtt ggaaattccc 420  
 cgtgcc 426

<210> 334

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA151243

<400> 334

cacctttctt ttgtttatct atattcttta gttttgtgca cactttgagg aattgattta 60  
 ggacagggtc atactgaaaa aaacctcagc tgatgttatc tgtgggggct ggggaggggtg 120  
 tcaggacat ttggtggctg aggagagcgc gtcactgcta ttgaatagct ccatttaaca 180  
 ccagccatgt ctccgcgtct caggcacttc tgtgaaatgt tctcagaacc ctgtggtgac 240  
 tgcggcacac ccggcaggcc ttgctagcac acgccgccca ctggcagggc ccggccaccc 300  
 tggctgttgc cattctttcg tagggttttg ttcattttac tatttgcac ttttctagga 360  
 aacatctgtt ttgtgaaaaa aaacaagggg gaatcaagta ttttaaccac aa 412

<210> 335

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA151428

<220>

<221> unsure

<222> (1) .. (400)

<223> n = a or c or g or t

<400> 335

cagagagaaa gtgctttatc agccgggctc agcccgacac cggactcgcc aggagtaggt 60  
 ggtcagcacg cgctgctggc ggcnaaccag caggtgtagg tgccctcatt gacggcggtg 120  
 gcgatgatgc tcaggtgccc ctgcgccagg gccaggtagc cggggtagga gaactccagg 180  
 ggctcctggt ccttgtacca gtacactttc cctttcttgt ggaggatctt ctggcccgag 240  
 cggaagggtc cgttctctgc ctcggnaacca agcctggttt tggctcctggg gggcgggtggn 300  
 ggtggttggc caccgtgggg aaaggggaat ttcgtagcaa gaaantccgc aagctngctt 360  
 gggggcaaaa agcttccttt ccantgaagn cccgccggga 400

<210> 336

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA151435

<400> 336

atatttccca ctttttatct ccatcggtat catccgttta aaaagaatga caagaagatt 60  
 cccatcagtc caaactggac caccacact ttgaaaaagt tggagcattt cagccggctc 120  
 cgcatgatcc atcctgtctt cagtcagtgc cttctggaag ggagggaaag tcttgatgc 180  
 acctggcact caatccactc ggcgcctggc tgctgctgcg gtcctggggc tggaaggaaac 240  
 tcccactggg cacacatcta cagaggagtg cgtggcgagc ttgaggacgg ttactgctgg 300  
 agccgacaca cagcgaacta catactttta gaa 333

<210> 337

<211> 631

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA151676

<220>  
<221> unsure  
<222> (1)..(631)  
<223> n = a or c or g or t

<400> 337  
ttgggattat aattcattta ttcttctggc cctaaaggaa cttttaacga ttgaaactga 60  
gtcttttcag ttggagccag ggaatgaatc tgggtatgtc caaatgagag ggtctttggc 120  
aaaggcactg gtgaatttca atgggataat caaaccaccc ctaagtggc agctgaccca 180  
gaactggctg ttgggctgga gggtaggcca gggtccttat gtgttggatc tgatgtccgg 240  
agaggagggg ctgggtcactt attatgcccc tgggaaggcc tgaatccggc tgctgggtgaa 300  
caagttcttg tctagctgcc tggacagatg gcaccaggaa taaaaaggaa gaaagtcaag 360  
gcagtggaag gaggaaggtc agggagcggc cagagaatca aggaccaggc aagagaagat 420  
ggatatggct gaccaggggc atctttacac attgaactct caggtcacaa gtatgctggg 480  
ctggggagaa atccccatgc atgcggggga gcctgcatcc ctgagacaga tgaggcaaaag 540  
gagcatccca cacgtgggaa acctgctcag atgaaatgtt tccaggaagt tctaagctac 600  
ttactggacc ncagganttg ggagactacc a 631

<210> 338  
<211> 565  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA151778

<220>  
<221> unsure  
<222> (1)..(565)  
<223> n = a or c or g or t

<400> 338  
tttttttttt ttttttaata aaaatcttta tttttttatt aaaaaagaag tacttttggt 60  
gctattttaa taagnngggg gtgggaatga atgtcgagat acgagcacct gcatctttta 120  
gtcaattgtc agtggagtcg gtggggtgct aagtgttctg aactgaagta ggtgcaactaa 180  
ggttccaagc tccttgcaag gatctggacg ggaggaaaagc agaggccctg aagggaaaaaa 240  
agcctgcttc ccaataactta ttttttatta ctgtacaaaa agcacactct ccctcttttt 300  
gtctctccca ccaacggcac cccccaccc ccaacccaag aggactatac atggagtgc 360  
gggacagagt tgaccaggag gcctttgtcc ggcaccctgc ccacaggctg agctcagccc 420  
caggcccttt caggcatcta gacactccca tagcctggct angctggggc aaggagatn 480  
ccaggtcaca catacttccc tggaagagtt ggacttaggg gtaagagccg ggtgcacggg 540  
anccagnctt gctctcatte ccang 565

<210> 339  
<211> 628  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA156187

<220>  
<221> unsure  
<222> (1)..(628)  
<223> n = a or c or g or t

<400> 339  
ggattgcaaa aatttatttaa aattggagac actgttttaa tcttcttggtg ccatgagact 60  
ccatcaggca gtctacaaag accactggga ggctgaggat cacttgagcc cagaagtttg 120  
aggctgtagt aagcttcaaa ggccactgca ctctagcttg ggtgaggcaa gaccctttca 180  
agcagtaagc tgcattgcttg cttgttggtg tcattaaaaa ccctagttta ggataacagg 240  
tctgcctgca tttcttcaat catgaattct gagtcctttg cttcttttaa acttgctcca 300  
cacagtgtag tcaagccgac tctccatacc tttaaaaggt atgacaggaa ctgtcttcat 360  
gtccttacc aagcaagtca tccatggata aaaacgttac caggagcaga accattaagc 420  
tggtccaggc aagttggact ccaccatttc aacttccagc tttctgtcta atgcctgtgt 480  
gccaatggtt gagttaggct tgctcttttag gacttcagta gctattctca tcttctcttg 540  
gggacacaac tgtccataa gtgctatcca gagccacact gcactctgcac ccagcaccat 600  
acctcacagg agtcgactcg tgccgaat 628

<210> 340  
<211> 668  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA156243

<220>  
<221> unsure  
<222> (1) .. (668)  
<223> n = a or c or g or t

<400> 340  
accacctgac tcagacttct ttgtcgttgt tttattttaa atgttattgt ctctgattag 60  
aaaatacagt catgagggtt aaaaactgaa atgatgtgaa aaggcatcca ttaagcagtg 120  
ttgccccacc accctttcca tcagtcttgt ctcatgggga tggggaaaat gaagacagaa 180  
cgctttgcct tgetttgcaa tccctccttt gaaggccttc tgtcccagga agccaatgtt 240  
catttgatgt ggaagaggga cctgtgttta accagaagct gtccctccctc atccctttcc 300  
catggccttac acgcagaagg gagaggagat gaccagagga gaaatcaggg gaagaaaagg 360  
caacagggga ggcaaaggga aaggagagga atgcttaaaa tatacagtga aatttgagta 420  
ggattctcta ctcaaagact tctctgggaa gtgtccagaa ttgaccacac aggtgctgac 480  
ggtagaaaga acacagaccc anaaccctga tctagtgtga ttaactccat tagccctgag 540  
ttccctgtaa aatgaagact gtngaggacc actagaggat tctgtgactt ctcaactcta 600  
aaattttgga ctggacctcg tgcgaatctg gctcgaggca aattcctatg tggcgatnaa 660  
tcgnacag 668

<210> 341  
<211> 350  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA156336

<220>  
<221> unsure  
<222> (1) .. (350)  
<223> n = a or c or g or t

<400> 341  
tttttttttt gttttttcng ctttatactc ttctttttct notacttttt cttcttgcca 60  
gggtcgagca atttgctgct gggtttctgcc tctgcgtttc ccanaattcc ttctgacgag 120  
ggctttataa ttctcatttt tcttggttaa atagtaatac aaaacacaat caggaaact 180  
cttctctccc aagtatgatg caattagtc aaagtttttt ggatgctgga taaacttgct 240  
cttaaagatc nccttttcat ggtcagtcca aacattcatn aactgcctat ctttatacac 300  
tttcataggg gtccctccaat aagcccantc atggtaaagt gactttgact 350

<210> 342  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156450

<220>  
 <221> unsure  
 <222> (1)..(434)  
 <223> n = a or c or g or t

<400> 342  
 ttgcttataa aaaccatttt aaattaaaaa agggaggaag catcagtgc cacagatggg 60  
 gacacagggg cagagggcca gcccaaagta cagtgtgggc accccacagc ccagtggacc 120  
 cagggcagac tcccctcgca gcacagacag ctgaggcccg ggtgctggtt cctctaggta 180  
 cagcttttgtt ccttgtgggc tcagaggtct gcctttcgga aacttgctct gttcaaggag 240  
 ttctgagggc cgggtggggg ggggtgccatc agctggggga ggcgctgggt aagcaggggc 300  
 tgcagantc cgcagcggc agtagttgcg ctccagctca cgggtgtact ccttctgggc 360  
 cggcccaatc agggctttat ttttcgcag cgcacctca catttcttgc agaagtcctt 420  
 gaagccctcg tgcc 434

<210> 343  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156460

<400> 343  
 tttggttata aaagatttta atatcaaata aaatgtacat gatcaaaagg ctttgattgc 60  
 catgtaaagc atagtttcca ggttacatca agtgatttta tcttctccca tttcaaata 120  
 aatgttgaaa gcacaaacaa tctgccatga atgataagaa gcaaaggcag cacatatcat 180  
 ctgcaagttt cttcccaagc tataaaatat catgttcata ttttctctgt ttgtgatccc 240  
 aaaacaggca atattttcat ttcattccact ctattcttat gtatttgaaa agcagggtgt 300  
 atccacctac cacaagagca ctgttcacca taccagttga aggaacccaa cttggcactg 360  
 cattttgggc aaagaagctg tccatccatc actcccaaca aagcagattc catccactgt 420  
 acaggttcaa tgaaataaga tgtacattga gg 452

<210> 344  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156565

<400> 344  
 atagtaaata ttttaattgtt tccatcagca attccagcac aagttttcct ggatggtagg 60  
 cagaatcaag ctacccaagg gttcatgatg aggtatgggg gtcactgagg agacccccag 120  
 agtcaactgac cctcccgcc acctccacac accagggtggc cctgcagaat gaggggtggg 180  
 ctgatagaat gtcaattagg ggagacagga tacagggtga gggaacaggg tctagcttgt 240  
 atatttgctt gcaggaagga gggagggcag gagagactct gcatagaagg actggaacta 300  
 cacattttaag ttttcaaccc caatatgcag ggggaaacag ccaagccact ctccatctgt 360  
 ctagtattag gaacctctct tcaagtgggc ttttgtcatc tctgttcttc ttcccaattc 420  
 tgtattccag attccaaatt ctacaattga aacccaa 457

<210> 345

<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157112

<220>  
<221> unsure  
<222> (1)..(415)  
<223> n = a or c or g or t

<400> 345  
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ggcaatcttt gattccagca tcggaggccg ggcaattcca ggcaataatt aagccatcag 120  
ntgtttggac aggagagtgt tcagtttgag ggaagcagga acccccaaag aaccacagaa 180  
tggggagatg gagccaaagn acaagggaca ttgcagtcac cttccattct ccctacgtgg 240  
gacaaagctt ggcttgggtt tacaagcagc gtccaggaac agccttgga ggactagat 300  
gctgcaatcc tcccagctcc cactatggct gggggcagga tggggagggt gggggggtg 360  
ttgggtggag ggggtggctg ggggacttct gctgggggtc agcttcaggt tcaggggaaa 420  
aaaa 424

<210> 346  
<211> 384  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157401

<400> 346  
gaagatccga ggcattgttg aagagagcgt gactggtgtt cacaggctgt atcagctctc 60  
caaagctggg aactctgtgt tccggccatg aacgtcaatg attctgttac caaacagaag 120  
tttgataact tgtactgctg ccgagaatcc attttggatg gcctgaagag gaccacagat 180  
gtgatgtttg gtgggaaaca agtggtgggtg tgtggctatg gtgaggtagg caagggctgc 240  
ctgtgctgct ctcaaaagct cttggagcaa ttgtctacat taccgaaatc gaccccatct 300  
gtgctctgca ggctgcatg gatgggttca ggggtggtaaa agctaaatga agtcatccgg 360  
caagtcgatg tcgtaataac ttgc 384

<210> 347  
<211> 307  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157520

<220>  
<221> unsure  
<222> (1)..(307)  
<223> n = a or c or g or t

<400> 347  
ccaggctcgt agagtcactc cctgcccgtc tcccagagat gcttcaccag cacctgcctc 60  
tgagacctcg ctctctgttc cagcaaccct ggttgggggg tcagacttga tacactttca 120  
ggttgggagt ggaccaccc cagggcctgc tgaggacaga gcagccaggc cggtcctgnc 180  
tcactttgca gttggcactg ggttggggag gaagagagct gatgagtgtg gcttccttga 240  
gctgggggtt ccctgcttgt ccagttgtga agctgtcctc ggtgttaccg aggctgtgct 300  
aaganga 307

<210> 348

<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157799

<220>  
<221> unsure  
<222> (1)..(444)  
<223> n = a or c or g or t

<400> 348  
gggggttcact caagacctag gctacagcan ggtcaagtgc ctgcttttatt caacaggaag 60  
cgctcaagtg ggactcaccc cccacctttc acagtgtaaa gtgaataggg agcaaggcag 120  
gaagctagaa aaataatgca tggatctaga caattcagaa aaacccttct aagtcagctt 180  
aaggccaaga ctggtcagtg tgagagaaca aaagaggtga cagaaaagcc ttggnagcct 240  
gagccatgat gggcctagcg gaagtagttg ggacattcgt gagcaaccaa atgccaggct 300  
tgattaaagg catccacgac agccggctcc agggggccctt cctctgttgc tgccaagttc 360  
tgctccagct gctccaggct ggacatgccc aggatgaccg cgtccccgtg ggcaccctgc 420  
agctgtgagt ggtggtacat ccac 444

<210> 349  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157818

<220>  
<221> unsure  
<222> (1)..(441)  
<223> n = a or c or g or t

<400> 349  
ttttgtgagc aacaaggctg tttattttcac ctgggtgcag gcgggctgag tccgaaaaga 60  
gagtcagcaa agggagatgg ggtggggccg ttttatagga ttagggaagg taatggaaaa 120  
ttacagtcaa agggggtttg ttctctggtg ggcagggtgtg gatctcacia agtacactct 180  
caagggtggg gagaattaca aaggaccttc ttaagggtgg gggagattac aaagtacatt 240  
tatcagttag ggtggggcag gaacaaatca caatgttggg atgtcatcag ttaaggctgt 300  
ttttactttc tttgtggatc ttcagttact ttcaggccat ctggatgtat acgtgcaaatt 360  
cacaggggat gccatggccc tggcctgggc tcanaggcct gacaattcct gccttcctat 420  
aattaattag gccaatnaaa c 441

<210> 350  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157857

<220>  
<221> unsure  
<222> (1)..(427)  
<223> n = a or c or g or t

<400> 350  
tttttttttt tcntcccttg nachataaat ttttattggc aggtcaggan aagagcnggg 60  
ggtaagggtc ctttccttnc catccctcta cncanaagac accctccana gganagnaga 120

```

agccccagag cctgctgcct cagaggacct tggaggcaga caaattgttg tagtgatctt 180
cctgtccctc gagcaggetg cggtttagtg gcaatctcct gctccagccg cgacttgatg 240
tccatgagcc gctggtactc ctgattctgc cgctcactat cagctcgcac atcgcccagc 300
tgggttcaat accgctgata agcgctgga tatgcgccag tgggctccaa agcgcgctc 360
cgtttctgcc agtgtgtctt ccaaggcagc tttcatgctc agctgntgac tgcagctcaa 420
tctcaag 427

```

```

<210> 351
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA158234

```

```

<220>
<221> unsure
<222> (1)..(614)
<223> n = a or c or g or t

```

```

<400> 351
nggctgtgat aggtttattc agaggaagca ctagactctg gggtagctca catgggtaag 60
aaagacttcc aggagcaggc attgaagggg tggcaccctg ggtgagtgtc caaggtcagc 120
gagagtcact tgtggagggg acggaagatg acctggctga tctggccagg gatggtgtag 180
aagaccagga ggaggaagac ggtgagcagc accagtagca gcagcaccag ggtngcccag 240
taccggcnca gatgaagaag acaaaggcct tcagcgggtt cacaaaccag ttgaaggaag 300
ttttggggcg gctgggtttc tccagaaggc tcttggtctg ttccgcccct tccccattgg 360
ccgtttctcg ggcttccttc cacagtcaag caagctcaaa ctcttgccct caacnttgcc 420
cgtgaagaat gtacacattg gcanccatgt ctgtgaactc ccangtcttt ttggccggcc 480
ttctctctcc tctgctttcg cttcttcttg caagcctgag cctcctgngc ttccgggtcaa 540
gtccttgctc cttaagttna ataacggcaa cagccctcaa ggggggaaga aacagattga 600
ctcngcgggc ccat 614

```

```

<210> 352
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA158795

```

```

<220>
<221> unsure
<222> (1)..(416)
<223> n = a or c or g or t

```

```

<400> 352
gggagactta actggtttaa ttgcttagcc ctggtgcctc agccacctct catctgtagg 60
gtgagactca agtccaggca ccaagacaca ccagcaccct caacaccatg cggggatcat 120
tggcctgaaa cttggccaga gaaagctcca gtccctgggc tgtaagagtg ggcgctggga 180
gtgtctgaag ccggcacgtg tcccctgcgt tgctggccct tgcaggtgaa gtgtgtgtcg 240
ttccccact ttccccgaa tggcaccac ggctcctgc tggagcccct cccgggnccc 300
cctcagggag cagaactctg cgtgtgttgc gaggttcagg cttgggcaag gcttgggaagt 360
tccaggttaa ncacatatta aaaaattaat acttccatgc aattggtngg gtgggg 416

```

```

<210> 353
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<220>

```



<223> Genbank Accession No. AA159025

<400> 353

```
ttgatgtcta gaaacatctt ttatttgggt aacaggtccc aaaacaggtc agttaataaa 60
atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120
gtaggcattg cctttccccc ttgggtctct cgggtgtatt taaaaaaatg ttttggcagc 180
tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctagggtaca 240
gcagcagtag atggctgcaa caaccttcct cctaccccag ccagaaaaat atttctgccc 300
caccacagga tccgggacca aaataaagag caagcaggcc cccttcaactg aggtgctggg 360
tagggctcag tgccacatta ctgtgctttg ag                                     392
```

<210> 354

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA159525

<400> 354

```
ggcagctcac tccaggttta tttcagggca gtttgggggt gggggacaaa gacccccctc 60
cagctcctaa actgggtcac ttttctccca ggtgaagggg accatcctca tgggaccta 120
tcgatgtgag agctttgtgt ccaccagggtg tggtgggtg caccaagggtg aagggtttga 180
gggctgcaca gggaccccca gcaactgggag tttggcctcc tccctcagac tggatggttt 240
cccagggttg gaaaggggca ggtctccct ctcagcttg gacttctcag agggaggagc 300
tgagtgtctc ctccctcaga cccgcagccc ctcaagggtg tgcgatctgt gccaccctct 360
ttgaccggtc cctctgcct cagactagcg gaacaaaatt acacctgaaa gtggaggagc 420
gggt
```

<210> 355

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA160775

<220>

<221> unsure

<222> (1) .. (445)

<223> n = a or c or g or t

<400> 355

```
ttttttttta cagacgcggg ctttattaac atttggtagt gagcacggcc cccagggatc 60
tgcggggntc ggggtcccgg gacgcaacgg ttaaacctgg ctgcgactt agncaggccc 120
ttgggggaaa gcccgagacc tgaggngtgg cacggagcca cttccggcgg ctgtgggcgg 180
aaaaccctaa acttccgatg ggaccaagcc ttccgtggct tcacacgcac cggaagggaa 240
gtctgggtca gccctccctc caaaggagac agcacggatc ctctttttng cataggcctt 300
gagggaaagt acttccgccc atattcaaga tggctgccc gggcnttggg aacggggtgg 360
agtttcggga tgtggagcga aggtcactgg gagggggcgg nttccctgc ccagttccga 420
tccaccagga ctggaagact cgcgt                                     445
```

<210> 356

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA161043

<400> 356

acattgtaac aggtttatgc attttgaagt gccttctaca catccaccca gaggtctctgc 60  
 tgatttcact tatgcccagg ctataaaatg cttttctctc atcccccagt agagcactgg 120  
 gatcaccact aggcctaggg ggcataatcaa gggtttaata gactggggga atgggcaaca 180  
 gaactggcta ccttagaggc tctggaatgc ccccccaccca tccaccacc aatggaagga 240  
 aagtcaggca tgcgtaaaaag gagtgggtccc tatctagccc caagtctgga gcagaaaggg 300  
 caggtcatt ctggcccaag tgacattgtt aagatcctgt cccctcccc aatcactgct 360  
 gcttgccagg gtgcctcttc acagttccca tgtggcagca gtagtggcag aggcagaagt 420  
 ggacttattg ta 432

<210> 357

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA161292

<400> 357

gcaacaattc atctttatctt cttattttcc tctggagatg cagaatttgg tatatttcac 60  
 cccagggtata ttgggatag ttggctcctc gctgggtcag gatggctggg tgccttctcc 120  
 cctggcatgg ttctcttctc tgcagggcga ggggcagggg gctagtagaa cctcgcaatg 180  
 acagccgcaa tggagaccca atggagccca ggatgaactt ggtcaatccg gagagtccag 240  
 ttgctccag tgactgcaga gtagccacaa ggtgcccag gaactccacc cccattggca 300  
 atggcgccgc ggacatcatc ttggctgcta tggaggacga ggcgattccc gccgcagtga 360  
 agccc 365

<210> 358

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA164252

<220>

<221> unsure

<222> (1)..(443)

<223> n = a or c or g or t

<400> 358

ttaaaatagt cacttttatt tcttagcaaa actatttctc ccgtgagggt tatttacaac 60  
 agagaaagga aagaaggggt caattcacag cgacttggag aggctggagg ggctcgtggg 120  
 agggccgaag ggtatgacag acacacttca cacaattaac tggaaactgct tttccgggtt 180  
 tccgacgggg acgtccccag aggactttga tggggccggg gcgcngntgg caaggggaact 240  
 cgcacaaaacc acccgccctc ctgngtgggc cccccgggtc cccgcgggtg agctcttggg 300  
 agttcggggt caaggacccc ggaagggngg ttctggcagg tnccgacngc agccncgggg 360  
 gacaaggggc aagggccaan gggcagggcc gtggcgcat naaaacaacc gagggggaat 420  
 cggncaatc cgaggggggg cgg 443

<210> 359

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA164586

<400> 359

ttttttttta gtttaattct ttatttgaac atcaaatagg ttgagaaaat tgtttacagg 60  
 tgctcgagca tcccgtgga ttctttttca aagtgcacaaa gaggtttaca agtgtgtttc 120  
 attaaacaaa gcaaagctgc gacaaaaccg agtcacatca gtaatagtat gcatcggcaa 180

```

aagggcatat taatccatca aacacaattt ggcatttgag ccttttccca taaaacaaga 240
gctctacact gaagagtatg tagtgcacaa aaagcattgt ttatcacctg tgagagaaca 300
gaaactggca taatgtcact tattaattca agt                                     333

```

```

<210> 360
<211> 574
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA165526

```

```

<220>
<221> unsure
<222> (1) .. (574)
<223> n = a or c or g or t

```

```

<400> 360
aataaattca aagtcttcat ggtgttcaga gtcatagtag tccatacgtt tctttttctt 60
ggtgtaagct gcaactcgaa aggggaactat ttccaaagtg attaaaccag gggccatcgt 120
cagcactttg gcaccatgac ttgggtcata aagatccttc cctgtttctg gatgaggcat 180
gccagcaggg tctcgtccaa caatgtaaaa gttgggtcct gcaaccatcc gtgctctgca 240
atgccactgg acctcagttg gtccagcata catcatggga gatgggaaga tggccaccac 300
tgctgtctca ggattcagaa ctcttctctc caacactgca gcatgctgct tccatacgcc 360
acatcaaagg aacatcgtca tcctttgtcc agccaccag aggggaagng aggaggacag 420
ggcgccggta gcccctctct agaagttgct tatgggtatc ctgcattaac agggcatgtc 480
cattgtgcac tgggggtgct agttgaaatg caaagacagc atcagcattc aaaccttnaa 540
tttctgggtt agctcagtaa gaggtaaacg atnt                                     574

```

```

<210> 361
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA167550

```

```

<220>
<221> unsure
<222> (1) .. (473)
<223> n = a or c or g or t

```

```

<400> 361
ggctggagtg cagtggcatg atcgtggctc actgcaacct ctacctcccg ggttcaagca 60
gttctcctgc ctcagcctcc caagtagctg ggactacagg cacttgccac cacaccgggc 120
taattttttt gtatttttag tagagacggg gtttcacat gttggccagg ctggtctcga 180
actcctgacc ttaggtgatt tgccggcctc ggctcccaaa gtgctgggat tacaggcgtg 240
cacncacgcc tggccaaaaa cccttgcttt ttaacttcga ttgacactta acaaaaatcc 300
tccacatccc actttttgac agtttacatt aaagcctgtg gtctgaatat ttgttttact 360
tagaggggga cctttgggca acttatttgc aaacacatct aaccttcctg ggcttattcc 420
acagtatttt catagacctg tatatatagg acatcacact tggcctcgtg cca          473

```

```

<210> 362
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA167565

```

```

<400> 362

```

```

tagaccacac caaaacatgt tttgtttaat gttgttaact tttgtgaatt tttgacccaa 60
gcaaactttg gttggtaaaa agtgcatagg tggaggtggg gagggcagga agatcccaga 120
aaacctttgt cctcagaaaa gcaggtcagg ggcttggcac agtggctcat ggctgtaatc 180
ccagcacttt gggaggctga ggcttgcaga tcacttgaat tcaggagttc gagaccagcc 240
tggccaacat ggagaaaatcc cagttctatt aaaaacacaa aaattagccg gacatggtgg 300

```

<210> 363

<211> 629

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA167708

<220>

<221> unsure

<222> (1)..(629)

<223> n = a or c or g or t

<400> 363

```

ttttaaagct tattagctca tttatcttgg aaacagtagt taaactgaat aaaaaccaag 60
gggcaatata actgctactg gttgagtcac acagtgatgt gtagtttgga aaagaagacg 120
aatgatagat attgagcccc tttaggaaat gttgccagta tttgaatttg gctttcatag 180
ttatctcttg cacacgaagt agagtacat ggctgataac aagagggtcaa atgtacaagt 240
tgctctaata tggcctcaat gaggaccagc ttcaaaaacc gcttgcctgat aattcaggta 300
ttcatggagg gtcaagactt caaagtcacg tacttcaagt accagtagag catctggtgt 360
tgctaaggga gtctgtcagt gtaggggtgca tagaattggt ctctgggcta tatcccattc 420
taggaatcac tggatatcct ctggagtggg gggctgttaa tctagggtca cttgacacct 480
ctcagcaaat gatcattccg gggccaagac atgcctgtct ctgcactttc taagttcaca 540
cacagtattt ctaagaatgt tcagcatcta ctgaacatga acgtgctgag tggagggtcng 600
aaagttggat gccatcaggt caactattg 629

```

<210> 364

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA169837

<400> 364

```

tttttttttt tttcagcctt gacagcaaca ccctttattc agcaccagga atacccttcg 60
cacagaacca gcgagcttca cgtgctcagc ttccccgcgg aaatgctcac aggatgctgc 120
gggacccccg gcgtgccaca cgatctagt gttggtgctgt ctgaactgga gccacagta 180
accgcatgtg ccggtttttg tttctttgtc caagtttata tacacttttg ggtggccaag 240
agctcccccg ccgccatcgc acgctatcac ccgagtcctc acctcgctca cgggctgctc 300
tgctatcaaa tcaatggcaa agttttcatt cacctctttc tgacgac 347

```

<210> 365

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171529

<400> 365

```

tttttttttt tttcatcttt caatatcaca gtcttttaat gtcaatgaaa acaataattt 60
atgaattaaa acatcttttt aaacctgaca ggaaaatata taagcacaat ttctggataa 120
agaaaatgag gtgcagttct cagggtctta gtacttcatt ttaaacagta aacacagtac 180

```

```

caaccatcgt tttgattcca gtgaataaga agttaagatt aaatttatta atcaactttg 240
aagtctgaaa ccgaaatgat cctttaacag cattgccaaa taaacaggtc agttctataa 300
agctaatacat aatgccaaat tttgaccaa tgataaagtg gctctgttac catagtacca 360
gagtcgtgtct ttttggttggg tttctgtttg ccataacaac caaggattga attac      415

```

<210> 366

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171694

<220>

<221> unsure

<222> (1)..(471)

<223> n = a or c or g or t

<400> 366

```

tttctatttt atttatttta ttttttattt ccttccctca taccttgccc attccctctg 60
aatattaggt gtgatgtcaa cagcatgtta gaaggatcaa tgggaaggca atgattgaaa 120
acattttcaat gaaccttaat agtggttcctt tgaggagcac ccaggagaat atctgggtcat 180
agatcttttt ttaaattgcag ttttataaaa ccctaacagc ggtgatataca ttagactgta 240
tgaatcagtt ttattaccta gtgtacaagt gtcagtcatt tatcattata tagtctgttg 300
atctttccat ttgcaaaaana ttaatagttt tccccacac atgtacaaag ttgggtatgct 360
tccagtcctc cttaaattggt ttatagtcatt tcccaaagg aacattccaa ttttacactt 420
tcacatacat tggttaagga atcantgggg tttttcccc tttttcccc t      471

```

<210> 367

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171760

<220>

<221> unsure

<222> (1)..(371)

<223> n = a or c or g or t

<400> 367

```

tcagccaatc acaaaaaaca gactttattg aagtatttag cactaaaccc cacacaattc 60
cagctctgta gctgaggaca cagccacttg gcaatggcac caggtgttat acaagaccaa 120
taagttaatg taaaggacgc ttaggtgttg agggccagtg ctcagccgtc tcctgggtca 180
gaacaaggca ctctgggctc cagttaggac actgagaggc cagggaaacc aacatgccct 240
ggagaaaggg gcttagagac aaaccggaaa agcacagcat ccaagcaggg tattcacgca 300
tggggggcag agtaggccca aaagttgggg gttgcctgat gcggtaagag cacagttgag 360
agnaattncc a      371

```

<210> 368

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171939

<220>

<221> unsure

<222> (1)..(298)

<223> n = a or c or g or t

<400> 368

```
ttttttgagg cacctgtggg actttattag gtaaacagac cccagctcca gccacagggt 60
ggaccggcca gctgacagtg cggcctcaga ccccccgcc aggttccctc ctccctcctc 120
tctcagggtc accagtgtgt gaaagatcgg ggcatgccgg ccacaggggg aagcagggtt 180
caggctgcc cactgggtc tggcctggc aggcgcccc tcacctggct ctgctgtggg 240
anccgagaac aaagacatna cctgcctggc tcctgctgcc ccgggggggtc agcnagca 298
```

<210> 369

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA172076

<400> 369

```
tcttattcag tctccgtaga gactgtcaaa aattgccagc gctgattata tttcaagtca 60
tcacgggtggg gtattgggaa aatttccaat tagcaataat cgcgtctcgg ataaatctca 120
ttggctacgg tactgccact gtgcaaagct agcttgacgt aggactttga tggctcatgta 180
taacacctca caggggcaga acctcctcca tccccgactc caaagactca tgtaatcagt 240
acgcaagaaa gttcagagat gagacctctg gttgtattcc acctttggga catgggggat 300
gtcttttagtt caaagtcaca aataaatgca ggttctacaa ttcagaggct tcatatccct 360
gctggagtat tacatgttta ttcaggatgg accacttttc ttagcaacag tttctaaacc 420
tttg 424
```

<210> 370

<211> 201

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA172372

<400> 370

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tttttttagt ctgaaaaaca taatctctat aatcatttaa tttttctttt tggaaaatgt 60
atgtatacat acacacagtt tccataaaaa aacatagata gtaaagctga ttaaaatctt 120
cctgtcctat tggtagcagc acatgaagcc cttctacaaa attcctgacg gactgggaat 180
aaaaattcct agtgacagcc c 201
```

<210> 371

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173430

<220>

<221> unsure

<222> (1)..(374)

<223> n = a or c or g or t

<400> 371

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ttaagacaaa cataaccttt attctctctc aaaaacccag agaacagggc ctggaaccat 60
attcgtaaat ttaaccagaa tcagaatact ttaactttca tagtctcatt taaaatttta 120
tagcaatata ctgaccattc taaaaataac aaaatacatg ttgctctcaa ctacatagtt 180
aaaaaaggta gtaaattctc ttacccaaaa tagaggaggg gtgggctagt gagctgctca 240
aacatttgta acaataaaaa atgtatctat atacatataa tgatcatgtt ttcatagcct 300
aaaatcacca ttaacaaaat ctaataataa aattgtgtcg tggtcaggag ttgggaagcc 360
```

aacacattaa attn

374

<210> 372  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA173505

<400> 372  
ttgggattgt agcagacata ttttcgagaa gatcctgata cccaatgtc cttctttgac 60  
tttgtggttg atcctcattc tttccccgt acagtggaaa acatctttca tgtttccttc 120  
attatacggg atgggttttc aagaataaga cttgaccaag accgactgcc agtaatagag 180  
cctgttagta ttaatgaaga aaatgagga tttgaacata acacacaagt tagaaatcaa 240  
ggaattatag ctttgagtta ccgtgactgg gaggagattg tgaagacctt tgagatttca 300  
gagcctgtga ttactccaag tcagaggcag cagaagccaa 340

<210> 373  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA173597

<220>  
<221> unsure  
<222> (1)..(436)  
<223> n = a or c or g or t

<400> 373  
ctggctgaag catccccttg gaggccatg tataagttgg gctattagag ttcattggaac 60  
atagaacaac catgaatgag tggcatgat cgtgcttaat gatcaagtgt tacttatcta 120  
ataatcctct agaaagaacc ctgtagatc ttgggttttg ataaaaatat aaagacagaa 180  
gacatgagga aaaacaaaag gtttgaggaa atcaggcata tgactttata ctaaacatca 240  
gatcttttct ataatatcct actactttgg ttttcttagc tccataccac acacctaaac 300  
ctgtattatg aattacatat tacaaagtca taaatgtgcc atatggatat accagtacat 360  
tctaagttg gaatccggtt acctcctgcc tagaatttta ggtgtgagat tttttgggtc 420  
ccaggtagat caggcn 436

<210> 374  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA173755

<220>  
<221> unsure  
<222> (1)..(419)  
<223> n = a or c or g or t

<400> 374  
atttgagaac atttttaata aataatgtga caaaattact tttctgatta ttggattttc 60  
agtatgcaaa attatggcta aaaataaggg gcttcttaca tgaacataat gaaaacatta 120  
atcacatgga ttgttcctt agtactgcac gccttttcta tgggaactttt tcaaattatc 180  
taaatagaaca agtttggttt tggatgaacac cagccttttt ttttgtggnt cagttttgtt 240  
tggttttgtt ttccactggg gtcagacctg atacttatct atctatgaat aaatgtacat 300  
ttttttcttc aaatagcacc aattataaaa tcaatgatat tcntaaaatg acaaaaaagg 360

atcatagaaa tctactagtc agagggcatc atttgggtcca attggaaagc caggtaatg 419

<210> 375

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA174202

<400> 375

```
tttttttttg gggactataa caggtgtgat tgacgaccgg ggcaagttca tctactaacc 60
ccagaggaac tggccgccgt ggcaacttca tccgacagcg gggccgggtg tccatcgccg 120
agcttgccca agccagcaac tccctcatcg cctggggccg ggagtccctg cccaagcccc 180
agcctgaccc agtccttcct cttggactca gagttgggtg gctacctggc tatacatctt 240
catcctccac atct 254
```

<210> 376

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA176233

<220>

<221> unsure

<222> (1) .. (514)

<223> n = a or c or g or t

<400> 376

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tcaggattaa gcatgtatatt atttttagttc agttaaaca aacatacatt gtttcattga 60
aacggtgtag cactctttgc caacaagcca tactagaatt gttggcctct aacagtacag 120
tggggatatt tacactatat acacaaagtt aatacaccca ggttctcaaa ggtcttccat 180
tacactagat cacattttat ttcattacac tagatcacat tttgattact gcattttgaa 240
aatgtattcc ttattttaaatt tttaaataag agntctgaat ttgtaccaag atttcatgaa 300
aaaatttgat gttgtttatt gcaaatacaa tttaaacaag ttttttttag tgtttgtaca 360
caatttgtca atttttcaat attcaatttt ctgtacaggg acttttggga caattcntat 420
agttacataa tngnaattca tcnaaatgca gttaagaaac ttacagggat atatacactt 480
ggaacccag accccaacct gacattatat acca 514
```

<210> 377

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA179004

<400> 377

```
tgccttttaa atcattttat aaagaatggc acaagttggg gtttatgttt actcagatga 60
accggtcccc ttagaggaca caatccccc cccaaccccc ccaactccac gactgcccc 120
cattgctgtt aatccttcag gggaggggtt acagctgttt atgaagccaa gagagggtt 180
gggcaagatc acagctgggg aaacaggccc aggcctgctc cctgggtgtc tccatgctgg 240
agtcagcggg gcccaatgac ggggtgatgt gatcacatct gcttccttct ccacaacaag 300
agcagggctg gc 312
```

<210> 378

<211> 521

<212> DNA

<213> Homo sapiens



<220>  
<223> Genbank Accession No. AA179298

<400> 378  
tttttcactt tacaagaagt tcaactcttat tcatggaggc atcatgctga caggactgga 60  
tccaaggaaa atgctagtga ctttcccaac ttcattcccc aatcaaagag gacagtttct 120  
ggtttgccac tggtagagttt gttacacgac taaagttcaa ataaaaaat aaaaacccaa 180  
atcttggcag ggaagctaga gccagaatca ggaaaatctg cttccttgctc cccagactcc 240  
ctggccaagc ccagctccac taactcatct tgactcgatc aagttcctca tcaagacttg 300  
catctgtacc ctggacatct ctgctgctcc cactggagag tgagtctgga gtccctggca 360  
ctggggcttt ggtgagggct ccatatacac ccatggcctg agcaccatgc tggtagacatc 420  
gccaggggtg gagggcagta ggatagtgtt ggagtccttg gccagtttgg gagaacgcgc 480  
tgacatactg ctcgggcaca gtcagtgaag ctgctgcac t 521

<210> 379  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA179387

<220>  
<221> unsure  
<222> (1)..(366)  
<223> n = a or c or g or t

<400> 379  
ttaaggattt acttttctta acaagtgaac aatttgcttc taagcgtcaa tgaaaggcaa 60  
cacctccctc taatggccaa aggaagagag tggcagtaag ctggcttttc caatgtgnca 120  
cacaatccct ncnggcnaat aagttctcct tggttgaaaa gaaattaggt tgttttgata 180  
acttagaaaa gttagtttta gacaacagtg actttcagct acaaatacaa aatcaaatacc 240  
atgtatatna ggcttctgta atcgatgtct tagaggaaca tctgctcatt ttctncaagc 300  
cccagtccta taaatcaagg caagtcaagt aattaaagct tcaactattt tgggcagctt 360  
tgcaat

<210> 380  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA179787

<400> 380  
tttttttttt tttttttttt tggtagggcag gatcaccaga aagctttttat ttttaaccag 60  
ggccagggag gcgaagcttc aatcctgctg cttgggttcgg gaggcctctg cattggcccc 120  
gagcacagcc cctgggggatg gatacggccg ctgctggaag aggggcccag ctgctgtggt 180  
gtcagcgcca gtcttggcct cattccgctt ggggagtcct gttgaccacg tgccccgggg 240  
ggttcttgag tatgagctag ggtccatggg gtctaactct tcatcctttc ggcttactgc 300  
cttcttgctc ttgggatagg gagccagctc ctccggcgga tggtagggcc gttctttgcc 360  
ctcttccggg tctgccttgt catacccgcg gtcccgatcc cgttccctgt ctagctctct 420  
ctctctgctc

<210> 381  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA179845

<220>

<221> unsure

<222> (1)..(444)

<223> n = a or c or g or t

<400> 381

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tgaacaataa tatctttaat ataactgttt ttgtgtgcat agaaatcata taagtaaata 60
aaaaaaaaaca acaacatgag attacatagg tggttataat acaaaagtga gaaaaaagct 120
agtgtctgag tattgcatcc tggatataat tccctgatat atggtaaagc ataaaagaga 180
cctatttctt caggagagta gctgacccac ctcaaggcca tgactgctct tctctttccc 240
cacagcctta gtactttttg ccaaaaggcc cagatttgag taaaggggaa cgccgtgagc 300
gtaaggatcc gggcataagg gctgcagtct gttgagcttt ggcaggttgg tgttcgggga 360
agtaaatttc ngaaggaatg gggtcctncc ctgntggggt gttggtttgg ttgctgattt 420
tccnggttgg gtaccaaggc gcta                                     444
```

<210> 382

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No: AA180356

<220>

<221> unsure

<222> (1)..(241)

<223> n = a or c or g or t

<400> 382

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aaaaaatatt tgattcaagt gcttatectc ttttaagtca atgaagtaga gctctttttt 60
atagacatca catacacgac acatatttta ctacacaagc agaagaaaat gcagtagctg 120
tgaaattttt cgtctgccaa tctcctaatt ggattattgg cttccgggtg ttgcctttta 180
agagacaggg ccagaaaaac atgcagcttt ttaaggccta ataaaatagg gcatgantgg 240
ggnggcaaaa                                     250
```

<210> 383

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181580

<400> 383

```
taaataagta actccattgt ttttctcttt tccaagatgg ccgatgttat ggttttctac 60
gaagtcagtg cttacttagc tcaactaacag cgctgctgtt ggcggctgcg gctgctgctg 120
tggcaggatt ttcaatgtgg tgtgttttca agcctcactc actcatcctc tcattcccaa 180
acattcagca tccgtgcaca ctccctactt ccaggttttt caaaagatgg gagatttcca 240
gtgggggtcc tcaggttatc atcccaatgg taacagatca agcttggttc ttcagtttcc 300
tcagttcttt tgttgcccat gtagcaaggg tttttgcttt gttagtcttc gatctccgcc 360
cttcagttaa caattcatgg atcattggcc tagcttctac taatttcagt acatccttcc 420
caaatgctgt a                                     431
```

<210> 384

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181600

<220>

<221> unsure

<222> (1)..(408)

<223> n = a or c or g or t

<400> 384

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tattttttaac ataaaagttc tatttttcttg tgaggcagca acaagtgttc aggtacaggg 60
aatacataag tacagcgtaa caataccgat taccattgga aatgctgttt tttagagagaa 120
ttgttagaat aacaaaatgt tttaaattgc attttaaaaa gagttacaca gcttccacag 180
agacaaaaaa tgaagagtta aaaaaattct attcttaaac aagactgtat aaacaaaatg 240
ctgttcaggg ctgctctgct catcttcaat ttggtcagag tagaacttaa agtgcaggag 300
ttaagcattc ttaggcttta ttttgcaaat tccggccctt ccactcatcc gggttttggg 360
gccctcaaan ttcccaangc cttggggntg gatcttaggt ttncatg 408
```

<210> 385

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181705

<220>

<221> unsure

<222> (1)..(401)

<223> n = a or c or g or t

<400> 385

```
aagataacca acaattactt taattcataa atgtatatac atagattaca taaagaaatt 60
aagtacacat gttgcatttt aaaaatgtgt ctagcagggt attgtacaaa attaaaatga 120
atttaagaat acattttaac atttttaaaa ttagttaatc atatatttat ttatctatnt 180
tattttattta tntttgagac agagttttac tcttggtgcc caggctggag tgcaatgggtg 240
tgatgttggc tcaccacaac ctctgcctcc caggttcaag tgattctcct gcttcagcct 300
cccgagtagc tgggttttgc gacatgcacc accatgaccg ggctaatttt gtatttttag 360
tagagacggg gtttctccat gttggtcagg ctggtccgaa c 401
```

<210> 386

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182001

<400> 386

```
tttttttttt tcagcttaaa ataaatttat tgtgcaatac aaaatgtagg catactggaa 60
aataaaggta cattattaaa tatacaaagc aaatgaaagc taaacaacac aaatgttttc 120
atccaaacac taagataaaa tgcacaac 148
```

<210> 387

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182030

<220>

<221> unsure

<222> (1)..(479)

<223> n = a or c or g or t

<400> 387

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atcatcataa aaaatatttta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60
acaaaaacac aatgtatata ttaataaatt aagtgggcct gagtattcag tatccatcta 120
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180
atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt 240
tttaaagata gttcacagta tttgagttaa ttaattaatc aactgattta aatcttttgt 300
aaatacaagt atttacatgt aaaaatgttt agtcaaatt tcagtaaaaa actggaaatg 360
accaataacc tactgccaac tgttttggta taatccagaa atgcatgagc cggactccca 420
ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479
```

<210> 388

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182568

<400> 388

```
ttagaaatca gggtttttttt tatttaatac attctaatac aatagtaaca gcagtaaata 60
aacactttga aaaacaggca ggtatcccc tgtatctgga agaaaattaa gtcaaagtat 120
tctacacagt agaagggaga caactgttta tgtccatggg tagacaattc aaggacaact 180
tggtatattc taaagccatt tccaaaaaat caatggcaac aggttgggac acagctattt 240
caaagggtag aatgcctata cctacattgg tttttattaa cggggattga gttgcacctg 300
tatagcatga tattcttgtc tttagcttta aaggaaaaga gaaagtcttt tccatttgca 360
ccagtttgaa atatttctga aataaggctc ccatagaatg g 401
```

<210> 389

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA187437

<220>

<221> unsure

<222> (1)..(458)

<223> n = a or c or g or t

<400> 389

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tttttatctt tatgtttata aatttattta atttccaaga cttatgtgtt catctcaatc 60
cttgacatac tcatctgcca gacacaaaaa atagtggctt atttaagagg ccttaatgaa 120
tgacaacatt tttgaaatat gctatatgag tacaaatatt tccagagcaa agagggaaaa 180
ctgttgattg ggtagacaat caaattccaa gcatttatct gatttacaga agtacatcta 240
ctttttgttt ttcactaaat gaatacaacc acttttaata tatatgtggg tgtggctgtg 300
tgcgtatttc aaaacacaca cgcacacaca ataaaagaaa catttcatag tggcaaaatt 360
ttagtgcact gccaaagtgc tacaataact gtcatccaca gacatccaca tgcnaacact 420
actggactag tacactagag ccaataagga gngtatatt 458
```

<210> 390

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA187579

<220>  
 <221> unsure  
 <222> (1)..(549)  
 <223> n = a or c or g or t

<400> 390  
 ggcccttcctc gtgtgagggg atctgccgga cccctgcaaa ttcaatttct ttcccattcc 60  
 gggcccttcc ctatcgtcgc ccccttcacc ttggatcatg ttcaagaaat ttgatgaaaa 120  
 agaaaatgtg tccaactgca tccagttgaa aacttcagtt attaagggtta ttaagaatca 180  
 attgatagag caatttccag gtattgaacc atggcttaat caaatcatgc ctaagaaaga 240  
 tcctgtcaaa atagtccgat gccatgaaca tatagaaatc cttacagtaa atggagaatt 300  
 actctttttt aagacaaaga gaagggcctt tttatccaac cctaagatta cttcacaaat 360  
 atcctttttat cctgccacac cagcagggtg ataaaggagc catcaaattt gtactcagtg 420  
 gagcaaatat catgtgtcca ggcttaactt ctctggagc taagctttac cctgctgcag 480  
 tagataccat tgttgctatc atggcagaag gaaacagcat gctcnatgtg ttggagtcac 540  
 gaagatgtg 549

<210> 391  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA187938

<220>  
 <221> unsure  
 <222> (1)..(428)  
 <223> n = a or c or g or t

<400> 391  
 aatgggttaa aagatacggg gaggagtgtg ttgagagagg tggagaaaag gagcttccag 60  
 tcaatgcatt caccatatct gaaaatactt cagttataca aagggaacac ttcgagagta 120  
 aggatatatt ataaataagt ctctcagcaa gatgaacgga tgaacagttc aattgcaccc 180  
 acaggagaga ggtcttcttg gagaatgctt gtttatagaa tcttctgtaa aatagagttg 240  
 gctacttcta atgattcatc ttgtactaaa acaatatcat aagagtccat gtacttttct 300  
 aaaagctcat ccactctatc atttagatat ccaattttca gaatgtgctc aacattggcc 360  
 actccatctg ccattcttaa gtctccttgg gagtctcccc agaagaatta tgttacnatt 420  
 ggccttta 428

<210> 392  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA188378

<220>  
 <221> unsure  
 <222> (1)..(282)  
 <223> n = a or c or g or t

<400> 392  
 tttttttttt ttcaagagta taatattttt tatttactga taaactaaaa gccaatTTtct 60  
 tggatattct catgtatact tcatttattt tattaataag caaagccctg taagggggagc 120  
 ctttgcctag tcctccgact cngattcatc ttcatcttga ctaatctgga agtaacgaag 180  
 ttcgtaggtc tccttgtcag atgcaaccac tcgaagccaa tcacgaagat tgttcttctt 240  
 aaggatattc ttggtaaggt atttcaata ccttttagag aa 282

<210> 393

<211> 385  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA188921

<220>  
 <221> unsure  
 <222> (1)..(385)  
 <223> n = a or c or g or t

<400> 393  
 gggacagggt tttaaccaca aataggagca gcatgaattc ctagtgactt gctgcacagt 60  
 attgtatcat aattacagga agtttttatt tttaaaactg gatctggggg atattcattt 120  
 gccccatcac ctctgtctaa aggcccaagt cctagggctg ccatggtcac aagcacacct 180  
 gatgctcctt aagattgttt atctggagcc cacatagtgt ggaacaaaaa gtcaccctag 240  
 aaagcatcct tgggtcatcat tgtctccttc ccacctggc ccagagatgc ttaaatacaa 300  
 gttgtttctc nagctgtcac ctccccagg agatcaggat tccactgacg tcctgggcag 360  
 ccagtgaatt taattttcca tgaga 385

<210> 394  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA189015

<400> 394  
 ccagtgtact atttatttcc tcaagtgtct ccatggggga aaaaataaaa gtctaatatg 60  
 ccagagaaat catcattgaa ccaataagac acagtaacat aattctagta acctacttct 120  
 caatgaacac acatctgaga aaaaaaccgc cagtatttta ttctcatgga aaaacagaac 180  
 aaaccacaaa gttggagtca cggagataaa atacagatga aatggaaaac ggtctgttgt 240  
 catgaactct cactttcaaa taccatttta tatggaagtt actttactgc ggggcaaaca 300  
 gaaggccatg ctggagtctc ttacttttgg aaaatggaga atcaaaaatt tgctaataca 360  
 caaacaacaaa aggagggaaa ctcttttggg aaagctctac aaacataatt atacatt 417

<210> 395  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA190816

<220>  
 <221> unsure  
 <222> (1)..(478)  
 <223> n = a or c or g or t

<400> 395  
 ttactttcac atatttttatt tcatttttaat ctcaaaacag ccttgtcctg attcccccta 60  
 tgattctgca atgatttggc tcattgttca gaaatctaga tcccagtgcc ccgagtcaag 120  
 tggggctggc ttgaacaaaa ggtactctgg aaccccaggg gagggccggg agaaaagaag 180  
 ggcagccagc atgtatagag ttgtggagtg gaggagattg cccagttctc caaggtccag 240  
 ctgactaaaag cacctgcccc tagtccactt ggcctatgcc aggaagtcag caagctttct 300  
 tggagaaggc agaaaataag gccattncaa aaggaaacna cccatggcta atggttccca 360  
 ggtaaaaact cntatgggat acctggaaan tttggaattt tcanggttaa tttttccccc 420  
 cttggaaana aaaaccccnt cccttttggg aatttttttt canccccctt tacaaaaa 478

<210> 396  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA191014

<400> 396  
 tttttttgct tgctctgatt caggcacttt caagatcatt gtttatttat tacttcagat 60  
 aaaaagatag tatacatatt agggaatccc ttaaaattca actctagagt tatacaccat 120  
 ctagtacttt tgcaatgaat gttaacaaca acaaaaaaaaa tctctaaaca cctgaaagcc 180  
 ccactattaa catggactat ggtaataaaa aattttgaca tttaatttgt tcaacatata 240  
 gtattttacat tatgaaacca atgggtgatga tacaataaag tgataaagaa atagtaaaaa 300  
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<210> 397  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA191310

<220>  
 <221> unsure  
 <222> (1)..(391)  
 <223> n = a or c or g or t

<400> 397  
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 atatgtaaac gtcaagagaa tcaactccact ccacgtctgg gtccacaccc ttccaggctt 180  
 tgtctggaac attatgtggc tgggtgcctga ttccacagtg aggatgcagg agcccagggtg 240  
 gtgatggata aagcattagg agacaatcaa gtgtcaggaa ttgggtcaata agaacggctt 300  
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 attaangtca ctaaattgat ttcttctaaa g 391

<210> 398  
 <211> 521  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA191488

<400> 398  
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 ccccatgttg gccagactgg tctcgaaact ctgtcctcag gtgatccagc ctgccttggc 240  
 ccccaaagtg ctgggattac aggcattggc cactgtgtcc ggccctggac cttattttct 300  
 aatgttaagt ttgagttctg ggtttagtgt ggcaagaatt tccctcagct gccatcaatc 360  
 ctggctgaag ttaacccctt tccatcactg acccagggga aaaaaccacc aaatttactt 420  
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<210> 399  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA191647

<220>  
<221> unsure  
<222> (1)..(579)  
<223> n = a or c or g or t

<400> 399  
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ttcattcagc cagatttggg gtctatagaa aaagaaattt taagaccatt attaaaaata 180  
atatatgggt agaaattagt agatgggttct ttaaagtgtat tccaattttt aatgttactt 240  
tactcctgat tcatttata ttttctgctt tttatatgtt taaaaatctc tcattctatt 300  
gctgctttat ttaaagaaaag attactttct tccctacaag atcttattaa ttgtaaaggg 360  
aaaatgaata acttacaatg gagacacctg gcagacacca tcttaaccaa gctgaagtta 420  
acataaccag taatagaact gatccatctc tgtgcctcct gatatgggtg actaagaaaa 480  
acacacatca ggcctgaagt ctgcaaaggg gctaaccaaa tctaattctag gaacttggn 540  
aactcnatgg aggacttcta caagtgcggg attanggat 579

<210> 400  
<211> 629  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA191708

<220>  
<221> unsure  
<222> (1)..(629)  
<223> n = a or c or g or t

<400> 400  
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tttaactaaa tgtacatctt tttttccaat tccatgattg acaagagtgc ttatgcgacg 180  
catggaaggc accagagggtg aagtgattat ttgccttaaa atatacaaag aattgcctac 240  
tttgaaaaaa aaatagtcac acttgtaaat aaatagttaa gtgtttctgc catggggtcc 300  
tgaaccctca caaatttcaa catatacaaa tagtttcaat tcttaccatt ctcttagagg 360  
gaaccacgtc aaacaaaatc aagttaggaa aagcactgat tttatccaag taggtcaatt 420  
tgaggcaaga ttcaaaaact ctttttaaat ggggttacgag tgaaagagtt gggaacaggc 480  
agcccccttg ggcctgggtc agcctacgag tccatcccgg tgtcctgccc tcacatctgc 540  
cagccctcag gccggccagg tctccttcna accctgagta ttgccttctc cacttctgcg 600  
aagagggggac agaacttgaa gctgcnaat 629

<210> 401  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA192755

<220>  
<221> unsure  
<222> (1)..(518)  
<223> n = a or c or g or t

<400> 401



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caagcggggc ctgaaagggt tgggtcccg gctgctctgg gcanagggtat ccgaggcccc 180
aggctgggga agggggcgag aaccagtcgc tccccggaag ccccgtcgcg ctcaggcggg 240
ccttctacc cctcctctcc cagcagtcgc gttgctttcg cccccctccc caaactccac 300
tgggccccgc cagaatgggg tgtgggtgtc tcccgcttgc aggcgcccgc acacctaaat 360
ttcctctaga aagtcggtgg gaaacagccc caccttgccg ccggtgtaga ccttgacgta 420
gccgccccgt tcgtctcctt tctgcaccac gatctgggtc ttcttgagag tgatctgccc 480
tatctcgcgg ttcncacga aggatctcgt cgcgcggt 518

```

<210> 402

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193204

<400> 402

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cttagagcag gaagtaggaa tccacacttt cacggagggg gaccagcctg ccatgtcgtc 120
cccaggctca cagcagcggc ggctactctg ctggtgggtt ggtggcagggt ggagatgggt 180
acggcgcatg ggaaccgta agcatgacaa cgggaggccc gcgggggtgtt tcaggcgcggt 240
tgaccagggt catggctggc aggcggcctc tacagaagga ggggaagcgca attcacagcc 300
tcttgacgta attttcggg gaaagtacca aagaatttgg ttcttcttga ggtccccaca 360
aaccagccgt catcacactt ttc 383

```

<210> 403

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193223

<400> 403

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taaccaggag aaataacttt atttgactg agagctggag aacaagaata ggacctgaga 60
tagcatactg ggctaaggag gagaggtaag gttccaaaat ggcagtcaaa gctcatcgac 120
caaacagact ctacttcca gcaaccttgc agttagtgc accaacaata ggctgctgg 180
ggaatgtatt ttccactaaa ttccccaaagt atgccaacat tacaaaaaaa gatagagggt 240
tttcatcata 250

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<210> 404

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193297

<220>

<221> unsure

<222> (1)..(523)

<223> n = a or c or g or t

<400> 404

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tcaccaaagg cgtgaaggag gactttcgcc tggccatgga gcgccaggtc tcccgctgtg 180
gagagaatct gatggtgggt ctgcacaggt tctgcattaa tgagaagatc ttgctccttc 240
agactctgac ctgagtggag acctttccac cagacacagc tcgggcctgt gtaattgtag 300

```

gagaagacac tcagcagtga ttgccatgga cagagccgtg gtcattgttg ctgttacaaa 360  
gaagaaaacc atctgagttc taactccttg gttgcttaaa agtagttccc aagaagtctg 420  
agaagctatt tccaattttt taagagtcac ttttttgtaa tttttggtaa aacccaaaagt 480  
accaatcctg ttttgtaaat naaaaatcat cctaaaaatt ccg 523

<210> 405  
<211> 302  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA193671

<400> 405  
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tagcccttat ctctcacact tgaaaaatgg agacagttgt tcagaataga aagggaaaca 120  
gctattagag tttaagctca agtttcaaga agaattcaga taaggcaggt aaaaactcta 180  
gatacttttc cactgtccaa catcaccaaa tattaatttc cacatacctc tttatttcat 240  
aaaaatataa atatttatta gaaatagtat gttaagatt agtttttctt tctaaataac 300  
at 302

<210> 406  
<211> 75  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194075

<400> 406  
tcagaagcca cttatacaga gcctccttct cacaattctc atcacacaca cactctgcaa 60  
agcttgtgca gggct 75

<210> 407  
<211> 619  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194146

<220>  
<221> unsure  
<222> (1) .. (619)  
<223> n = a or c or g or t

<400> 407  
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agatgggttaa gttgagaatt aattatgttt atcatggatg gctactaata ccaagctcat 120  
gattgttgca gcctcaacgt cttaggcagt aaaacttgct tgcagcacta aagggggaga 180  
aacccttata ttttgcaaac tgtccattcg ttaaatttat tgtaacctaa taccaaaaaac 240  
tgccgttttt catattattt cccacacctc tacttttttt tntttttttg ctacttgtaa 300  
aataaccctt tctagaaaat aagcattaac tggaatgttt caaacaattt tgcttcattt 360  
tactatcagc cactagtga cttcttacaga gatgtacatt taagataaaa ttagcttgtg 420  
ctaagtgttt taaaaacatt gtttactgnt aaagggggaa ttgcacatta atattnaact 480  
gggattgctc cctccctcag ttccttaaaa accagagtca aggctccac caactttag 540  
gctgtgggag ctttgccata ggtagatcca tggngaagta acctttttta gcatgaagaa 600  
gccagggacc tccttatat 619

<210> 408  
<211> 139

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194237

<400> 408  
tttgaattat gacagaaatc tttattaaaa tgtgtctttc agtaatatgt ttagcattca 60  
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aactaataaa ttaaaacta 139

<210> 409  
<211> 520  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194724

<220>  
<221> unsure  
<222> (1)..(520)  
<223> n = a or c or g or t

<400> 409  
ccatnattnn nnacctttta tactctneng tntncacaen cccacagtnt nantgggctc 60  
cnccctcact tantgnccgc cgtnatggcc ttgannttgc ctgcccgcgc cagnatgttt 120  
ggcacaaaaga gcagccccga agcccgcctca atgctctcga tgggcaccag gaagcgctcc 180  
agtgggatgg cctcatccac aggtgcgttg ggcatacagt aggtgcggan tcaatttgcc 240  
cacctgctgc ctccaggatc agcaccttga agaagtgtgt gggcactgca cgtgggttctt 300  
gccgatgacc tgggtacttta cgtaggattt cccatcagcc tctggtcctg tggggcagac 360  
ccaggcacac gtgggcaggg ggccctgggat gaacccaaag ccacctcttc caggcagcct 420  
tccccgatct gtccccaan ttctgggtcaa cctggcanga ccangccctc actgggaaaa 480  
cttctngaag cntgcctggg tccctccctga aggctggaaa 520

<210> 410  
<211> 157  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194730

<400> 410  
tcaattcagg tgactgtttg atattttcat aacattttct ttaacattta atagaaacta 60  
tatacaataa atttttacta tattttacat aagatagcaa ccacagaaat ttacataggt 120  
taaaagcaag acggataagg aggacccagt cctgttt 157

<210> 411  
<211> 292  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194833

<220>  
<221> unsure  
<222> (1)..(292)  
<223> n = a or c or g or t

<400> 411  
ggattttacca acacgtaggc ttttatttct tcccattaca tctgttttagc cacagaaagc 60  
attggggccat actcactgca gaagataaga cttcctcaga atctttattcg tttagtgcac 120  
tcaatttttac ttcactgtct catcacttga gagactgggtt aaggcaagaa acccatttct 180  
taacatttttt tttatttttca aacatttgaa aagcaacacc aaaacgtatg cagttaattc 240  
ctcaatttctt tcccttagna tagcactttt taaattacaa aaccacactt ac 292

<210> 412  
<211> 362  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194997

<220>  
<221> unsure  
<222> (1)..(362)  
<223> n = a or c or g or t

<400> 412  
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accaatgtga caagtacata tatcngaate antctttcct cagagaatca caccttccct 120  
tggctctgct gtggatccaa atcaagcctg ggtgtgtcng acaataccag ggcacgggtt 180  
gcttcnecggc cctccatctc tactgtttgg ctacagcttg agttcactag gcatcggttc 240  
ccctctcagg ccagccagca agttgttagc tgccaacaag gacatgggtg tgcgggttct 300  
gtgggtggca ctgcaatgtg gggcagaatc acacagttct tcaggggtcag gagaggggtg 360  
tt 362

<210> 413  
<211> 556  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194998

<400> 413  
aactttaaga gattttttttt aatgaaggaa caaatcaaaa tggctcagaa aaatcagatg 60  
gagtggatag acaaataaaa tacatgttaa tgcttaacac attgaatata aattttcttt 120  
atactaaaga ctttaaaatg tccatgtgtt aattttcttt ggaggtggaa aaatagtttg 180  
tccaaaaaga cacttttcac agttgaagga acttgaaagt tctgtcccag tgagtccctaa 240  
tggttttatt tcaggcagca gattcattgt caaatatctt actttttaag gtctgtaggt 300  
tatgtctgaat aaaattctct gcaccatgaa cttcagagaa tctgaagtca cttctcctga 360  
cagaccagtt tttcattttt attgaattct gaattgtgtc cgatgtaaag tagtaaaacta 420  
taggggtcaa acaacagttg gaaacagcaa tacagagagt gattgggtac attgtcctta 480  
ctgctgccac tactgagcaa ttaacaaatg tttgtgttct cacaagagaa tataaaataa 540  
gattgatacc tcgtgc 556

<210> 414  
<211> 108  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA195067

<400> 414  
tttttttttt tttacttttt aagctttttt attcttgaaa agttcaaaga tatacaaaga 60  
tagactatgc aggataatga gccccacat actccgcata tcttgtct 108

<210> 415  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA195179

<220>  
 <221> unsure  
 <222> (1)..(402)  
 <223> n = a or c or g or t

<400> 415  
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 tatcttttaa cattaagtgc ctttggttca gaggggcagt cataagctct gtttccccct 180  
 ctcccaaag ccttcagcga nacgtgaaat gtgcgctaaa cggggaaacc tgtttaattc 240  
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 ttgtaatagg gaataggaaa cttgttggtc tgtggaatat ccgatgcttt gaatcatgca 360  
 ctgtgttgaa taaacgtatc tgctaaatca ggaaaaaaaa aaaaaaaaaa a 411

<210> 416  
 <211> 790  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA195463

<220>  
 <221> unsure  
 <222> (1)..(790)  
 <223> n = a or c or g or t

<400> 416  
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 taaaactggc tttccaaaac agtcacagca tagctgtact ctgtactaat aatcacaaaa 180  
 ttgtaatata gaactctgtt atgcagtccc attatgttct tacaaaaata gaattaaact 240  
 gtgtgaccag acaaggactt caattacact acttggcaaa cttagaattt cagtggagtc 300  
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 tcaaagcaca cnggggttcg cggcagtttc acangaacta cacctggatt taggaggcca 600  
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 acgtccttta atgggttttag gccanccccc aggtatggaa gttnggattt tttccatttt 720  
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 tcctggaact 790

<210> 417  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA195515

<220>  
 <221> unsure

<222> (1)..(395)

<223> n = a or c or g or t

<400> 417

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acacacacac acacccctag gtcaatttct taggtctcag ttgtgggttaa attcactttt 120
aaatacaagg ttccaagtat ccaagttgcc aggccagttg cctgtacctg gaacagcctt 180
tccaccgaat aagaagagtc cctacttaaa cagcttaagc taatttccat canacnattt 240
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ggactggtca tcttactttt gccttgaaaa gtagacatng gtcccaaatt atctgctaaa 360
tgagtantga acaatatngt ctattcagaa ggtgt 395
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<210> 418

<211> 381

<212> DNA

<213> Homo sapiens .

<220>

<223> Genbank Accession No. AA195656

<220>

<221> unsure

<222> (1)..(381)

<223> n = a or c or g or t

<400> 418

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gagcaattaa attcttaaag tagggacaga acaccaacag gctctagact ccggaagagc 120
tgtaanccga caaatgggca ttgtTTTgct taacagTTTT agcttcaatg taaatatata 180
ttattactta gaatattagc atctgaacta tataatgact atTTTtatcat tttacttgaa 240
ttaaaaccag aatttctgga acttccaaat agtctTTTaaa gTTTTtcaat ataaacataa 300
actaaccctt attcctctct acatatcaaa tgtgaaataa ctgtcacaat atatcagcat 360
tttcacagaa agatgtTTTaa g 381
```

<210> 419

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA195657

<400> 419

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acaagtatct acaaaatctt tataaattca catatTTTTc tgaaagtgta caagcagtct 60
caatttactg ggacaaaaat gaacattttt gttctTTtagt aatgaagtca atgtacaatt 120
cagagcaggt gtccatagaa acaactaggt ttgaaaaaac ttaagacaat tcacagttga 180
aatcaaacaa aactgtgtaa tgtgtTaaat acttgccata taacaacgct ttaacattga 240
tcttgctaaa taaggctatg attcataaga tgcattgatt tccaaagctg tttaacattc 300
ttataaatta attcacagga ttcaaatagt tgctTTTTtag cttcaactgg gtattagcaa 360
aaataatata aaatgatccc cgtgcaagca c 391
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<210> 420

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA196287

<220>

<221> unsure

<222> (1)..(476)

<223> n = a or c or g or t

<400> 420

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tggttaaggac gcaggaaaat aaaaagagga ttcaattggg ttggtactgc aaaaagaatc 120
cattctgttc agcacatgaa tttctgttct gaccttaagt ttagatatat caaagaaaca 180
aaaagcatag aggcggctgg ggggtggtggc tcacacctgt aatcccagca ctttgggagg 240
ccaaggcagg cagatcacct gaggtcggga gttcgagacc agcctgacca acatggagaa 300
accctgtctc tactaaaaat acaaaattag ccaggcatgg tggcgtatgc tggaaatccc 360
agctactcag gagggctnag gcaggagaat tgcttgaacc cgggangcag aggttgacgt 420
gagccaagat tcacgccatt gcactctagc ctgggcaaca agagtggaac tccatctcaa 480
aaaaa                                         485
```

<210> 421

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA196790

<400> 421

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gattgacaca catcataagc tatcacccat ataccctaaa tatacaactgt ttatgctttt 120
tctttttcac ggaacaaggc gacactatct ttgttcaaac caaagtgaaa aggaagagat 180
acaataattt taaaaagagg ggtgtgtgtg gtcttttcaact ctcagatagt gaatgtacgt 240
caccacaaca aggaaaaagc gctgaggaag aatgtgcac ccacaggcca gagagtcaag 300
caggaagtac cagtagagca cctccaaata tagcaaattt ggaacaacta ggcattactg 360
tgaaagaact tcctagtttt tcatattgtc gccaccacat tgctacattg gaatttaagc 420
cctcttcaca gtgccaatat caaaatgag                                         449
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<210> 422

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA197311

<220>

<221> unsure

<222> (1)..(433)

<223> n = a or c or g or t

<400> 422

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acatgtctat ggagggccac ttcttctgta agtctgtggg gcctcagcat acccaatagg 120
cagcaagttt cagtatttcc cagttgtatg tcctcatggg ggggctatgt cttccccacc 180
acttccccctc tcatcaggct agactttaac atccatcaat catgtcttga gtcttgctcc 240
ttcctcttgg cttagtcatg tgactacaga tcagatgcgt ggccttagtg ttttaggtgt 300
gcaggtacca tggcccaaaa tgctgttgta tctgactgag gaaaatgccn ctgtcctcng 360
gcgtcccnag ggnccgtagg tgnnagctga atnggcatat gtcttccact ctgttcagtg 420
tnnaacactg cca                                         433
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<210> 423

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA199603

<220>

<221> unsure

<222> (1)..(428)

<223> n = a or c or g or t

<400> 423

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taaaattaat cgtgaacact tttcttggtt aaaactcaaa tacagaggat aggcaggatg 60
tctccctgcc cccagtttta cttcccgcacc caaaggaaac ctggtaactg gctgtcatcc 120
tcccagaagt ttttctatgc ctttatttat taatgtacac ttgtaaaaca gcatttgggt 180
ttgctgttat actaatggcg ttataacata catacattgc agctcttttt tcatttaact 240
gagcctcaga aatcctttcc atatatacat gtagatctag gccattcttt ttaaagctga 300
gtaatgtttc atagtgtggg cataatacct acacttgtgt atttccagta agcctttaca 360
gatactacta ccntttttcc tttaaaaatt aaaagggtata atattaataa aaattccccg 420
ggaatttg                                     428
```

<210> 424

<211> 905

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA203222

<220>

<221> unsure

<222> (1)..(905)

<223> n = a or c or g or t

<400> 424

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tctttctact tttgtaataa taggaagtta gtaggactca cttctctgat taataagcaa 120
tttgcagcac acagcggtcc actgcggggt ttcacgctca cctgaaaaca cctgttccca 180
acctacttct tgggtgcaagt tgaccaaact gttttaagtg gtaacttttt ccaaccgtag 240
caggggtgtt ttctgttaag caaagccgag atccagtgca atacctggac tgtcaccgtc 300
ctgtgagtgg tgtacacaat gggaagataa taagccgtgg tgttttgctg tctgtctgtg 360
tcacaagcat gaaaaccggt gtgtcattga tcagcaccat ttgtgggatg ttccgtgatg 420
agcgtttagt gagcctgctg gctgcagagc actatgaaat catggtacgt agtccccggc 480
acctgtcgtt attcctatat cctcctgcaa ctgtgggttg aaactgcgca ttctctagta 540
gtatatatcg tgcctgtctt caaaacatgt ccttttttat actcattccc ccaggcatgg 600
ggtagtgtta gtcgactgac agggacacgg gtacagtggc ttggccctat ctggaacgct 660
gcctgtacga tngtatgggt gctcaatccg tgttcctagc gtctacgagg ctaaaccggg 720
atggagttac cacntctagc gcggatgcat cncatgaaag gaagcacctt gtggaccggc 780
acggtactgg atcacaagag gtgttattgt aatagagctt atgaaacgcc ccttgataaa 840
aagattgcgg ccttgtttgc ggtggtggag gattcactgt ggcccttgcg aggcgtccct 900
tttta                                     905
```

<210> 425

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA204927

<220>

<221> unsure

<222> (1)..(559)

<223> n = a or c or g or t



<400> 425  
tacaatgtgc attttattcc atatcattat ncaatgttta catatagtta anactctcaa 60  
ganaacgtcc ttaccagtt gtatgtggtg tctaaatctt taacatgaag gactgaaaag 120  
ggtggaaatc cacactgatt gttatcctac agattgtcat gagctgcacg tgnncaatca 180  
ganaggaaatg gaagtctcag aagagcagcg tggcttacag acccttggct ttagtgaatt 240  
caggcatgcg ggatccatag tctcatcttg taggtaaaac tcaagacaaa nataanttan 300  
ntgttggaca gagttcntac attggtacaa tgnttnaaca aaaagaccca cagggggganc 360  
cttttngttc aaagtnggcn ccaattccac acctgattgt ggtntccaac attnaacctt 420  
cctgtttgnc tccancattg ggcccttttg aaagggaact tctcctgcnt tagntgaggg 480  
attcccangn tnantaagcc cactggtngt ttgctaaann cncctacaan gtnttggcgg 540  
catnaaccg ggaaantgg 559

<210> 426  
<211> 523  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA205724

<220>  
<221> unsure  
<222> (1)..(523)  
<223> n = a or c or g or t

<400> 426  
cccattgggt gacagcggtt attgaaagga aatcttgctt tatccaggaa ttcactcaca 60  
tggaggtagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120  
cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctcaagaagca 180  
ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240  
tgttttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300  
gggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360  
cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420  
tccatggctc tgagagtggag cacactgtca aagtcactgg ggtgagatga gccgggactt 480  
ggaaaaccct ctcttaactt tcagtctcaa ctctccac tcc 523

<210> 427  
<211> 335  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA206023

<220>  
<221> unsure  
<222> (1)..(335)  
<223> n = a or c or g or t

<400> 427  
aacaacagct aacatttctt gagagcttac tgtgtgccag acagtgcggc aggcactaat 60  
tacaacctca ttttgcgag acaaaaaggg aaggtgccct gagaggggag tgccaagtgc 120  
cacagttgga agtggcgga nagggacata ccccccagca gtctatgtgg gggaaaccag 180  
gtgactgtc ctctctccac aatcttccct gaccagcat gcaaagtgtg cnaatgcact 240  
gtaagggatg gggccctgg ntgacaagag tgtggagnaa gggcctgggg ggaccatggc 300  
ctgatggggg ggccactggg accagggacc ttttg 335

<210> 428  
<211> 409  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA206914

<220>  
<221> unsure  
<222> (1)..(409)  
<223> n = a or c or g or t

<400> 428  
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gttttggtgaa aaactggcag gctttgaggg agtgagtcaa gtgcatggga aggggaaggcc 120  
ctctgcatan gntccagggt ggtggcctga gnaagcgtgt gccaccaca cagcaccgtg 180  
agagaagccg gccagctgga gcagtgcacg gcacgtgagt gangtgggag atgaggtcag 240  
agagatgggg ggcaccttgg ctttgaccct gagtgagaag ggctcaccgg aagagttgca 300  
agcagatggg gggatggact tctggccttt atgttcttta ganggtccct ccggagcctg 360  
tgntttacct cattaaaggg gcccaagggt aaaaagttna aaaggccna 409

<210> 429  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA207103

<400> 429  
acgatagtta cttttgttat gtattttacc acaattttta aaaagcaaac caaaaccaac 60  
caagagtgtc tccccacac ctcaaaatca tcctgcagca gctccctggc ccagctctct 120  
ctcaccctga ccctggggcc ctctcccacc acccagggt agccctgtgg accaaccatc 180  
tctgccagcc cctccccgac cctccagcca gggaggtggg gcgctggccg gtgaatgggg 240  
caggccaggc ccaaaggctg gccaaagggt caccagctct ggactgggag tcccgtctga 300  
ggtggggatg accaaccatg cagctctggg ttttagcttg aggatgggca cattcaagca 360  
ctgacagcca gcaagcttgg gcacagggcg atgcttaacc tttaaaaaat cgggta 416

<210> 430  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA207123

<220>  
<221> unsure  
<222> (1)..(413)  
<223> n = a or c or g or t

<400> 430  
agaaagtaaa aaacgttttg gtatatatttg atccatgggt ggcattttca aatgtgcaaa 60  
aacaaagtct tggaagagat tccttggtcac tagaaagttc gcccttcctt ttgctgtcag 120  
ttgtacgtaa gagaaattcg tccacattaa ggaatccaaa aagggtaaac taaagggatt 180  
taaaaagagt acattacaaa gaataagaag ccctgtaaca tctatctgag aatactagat 240  
aaatctgtga gtagatgtgg cacctggagc tactcactac attactaaaa acaganacaa 300  
gaaatctata atggcaggat cacaacattt gcgcgcgcaaa taggctaacc caaccaaaga 360  
ctggccaccg agaggccagt nctgtctctg tgactggact ggggaacttg gga 413

<210> 431  
<211> 449  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA210850

<400> 431  
tttttttttt tgctgatcta gacttatttaa atttatttca tgtcattgtg gtcactttta 60  
cagctgttta gacttatttt caatcacatt actcttcaca gaattcacag aattcattaa 120  
ctaactagta tgttacatcc aagggttctt agtagcacat tgaaatagaa aagaggccca 180  
cgagttgttg cttgtgtgtg gaacctgagt ctgattactt agacagatgt ctagaacatt 240  
attgctttat taggcctatt tttaaaaata ataaattatt cctaggaaac ccaccctgcc 300  
aggtgctcat tctgcgactg ctgtgggttc actcagaaca tacctgactg gtgggtgctg 360  
aatgaacctc ccacccatgt accctgctgc tccggacgct ctgagggcta gagcaatgcc 420  
cctccatggc gtgtaaacat tttctacag 449

<210> 432  
<211> 393  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA211370

<220>  
<221> unsure  
<222> (1) .. (393)  
<223> n = a or c or g or t

<400> 432  
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ccaccacttc tcaaagcaaa tgtgttcttt gggtagatgg ttgttttcca gttgcttgga 120  
gaaaaagtct gtcattggag gtggggccaca aatatagaac aaagtctctt ttgaaatatg 180  
atctcttata tccttctccg ttattcttcc ttccgtgatg tatggcttga gttccgcatt 240  
gatttgtgta gtctgttttg taacatgcaa actgcatgca atcttctcag gaaattcatt 300  
tactaaatca aggatatttt tcttaaacag gagttccgct gggatttttt tgcactgtag 360  
aatagtttta attgttcena tccccatata cat 393

<210> 433  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA211388

<400> 433  
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agaaaggcag ccaggaactg tggttccaca catgaaatct ttttaagcaaa gttttcttgt 120  
ctgaattttc aagtgggggtg aacaatgact gagaggaaag ctgtcccggc cctctgcctc 180  
gtacacctgg gaacggtggg gaaacagagc accctggata cacaggcatg aaagagtgat 240  
cagcagaccg ggagaaggga agggagaaaag ggagttatca atgacatggc gttttttaaa 300  
ccataagaaa aacacaacag ttttaggctg ctgataaatt aattcctctc tgttgtaaac 360  
ctaaaactaa acaaaaaacaa aaatacccgag agcagatggg gagagggt 408

<210> 434  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA211418

Figure 1 consists of 12 bar charts, each representing a different birth cohort. The x-axis for all charts is 'Number of children' (0 to 10), and the y-axis is 'Percentage of women' (0 to 100). The cohorts are: 1940-44, 1945-49, 1950-54, 1955-59, 1960-64, 1965-69, 1970-74, 1975-79, 1980-84, 1985-89, 1990-94, and 1995-99. The charts show a clear trend where the most common number of children per woman decreases from 4 in the 1940s to 2 in the 1990s.

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<210> 435
<211> 491
<212> DNA
<213> Homo sapiens
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```
<220>  
<221> unsure  
<222> (1)..(491)  
<223> n = a or c or g or t
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<210> 436
<211> 177
<212> DNA
<213> Homo sapiens
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<220>  
<221> unsure  
<222> (1)..(177)  
<223> n = a or c or g or t
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<210> 437
<211> 346
<212> DNA
<213> Homo sapiens
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<220>  
<223> Genbank Accession No. AA213696

<220>  
<221> unsure  
<222> (1)..(346)  
<223> n = a or c or g or t

<400> 437  
tttttttttt ctttttaggca ctttttattt tccaaaaaaa aattgtcgtt aatatataaa 60  
catctcattc tctcaaaaaa ttctacaact atacagctgt ttgctccatt atttgcatag 120  
gaaatgacca caatacaaaa ataagaggga aaaagaagca aaacagcaac cgattttctgc 180  
ttttcatgta ggtgtgtttc cacgtataaa cattttgaag cctcttaca aattatttac 240  
atcgtttgtc atcnatttac atcttttaag agcaactttt ctaacaaaca aaactataat 300  
ttatcaagtt atgnaaattg tcttctaaaa aaacttacta tattac 346

<210> 438  
<211> 514  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA214542

<400> 438  
ttcaatcatt attataattt ttagaagtta agattatttg gattccataa atattaattt 60  
ggataagaca ggttccacac atttcagaca aacaggtctt ttacctatag agggagaatt 120  
tcatctacgc acttttccat ttttctgaat catccagata atggctgac tctggggaga 180  
aaagactctt ctttgctcct ctttacttct ttctagggtga aagagggctt gatagagatg 240  
gtgaccttta aggaaaagga ctgaactctg gtgtcacaag ggggtgtttc tccttgggac 300  
cagtctgttt tgactctctc ttttagagctt cttaaaggag tcatcatttg gaagtctccc 360  
tttttcctta aaactgatgt gacacaacag gtttgaagct gcctctctct gggaagttga 420  
tggtagccta ggagggcctg aagaggattg ttcagatgac ctttaggaag aatcaataat 480  
aatccatat ctctctcccc tctctctcct cacc 514

<210> 439  
<211> 475  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA215299

<220>  
<221> unsure  
<222> (1)..(466)  
<223> n = a or c or g or t

<400> 439  
annttcggca cctgggaaaa aggagagcat cttggacttg tcaagttaca tcgacannga 60  
cgatccgggt aaagttccag ggaggccgcg ancagntgga atcctgaagg gcttcgaccc 120  
actcctcaac cttgtgctgg acggcaccat tgagtacatg cgagaccctg acgaccagta 180  
caagctcacg gaggacaccc ggcagctggg cctcgtggtg tgccggggca gtccggtggt 240  
gctaactctgc ccgcaggacg gcatggaggc catccccaac cccttcatcc agcagcagga 300  
cgcctagcct ggccggggng cgggggggtgc agggcagncc cgagcagctc ggtttccgc 360  
ggacttggtc gctgctccca ccgcagtacc gcctcctgga acggaagcat tttccttttt 420  
gtaaaagggt tgaatttttg ttttccttaa taaaanttgc aaaccttcaa aaaaa 475

<210> 440  
<211> 477

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA215379

<220>  
<221> unsure  
<222> (1)..(477)  
<223> n = a or c or g or t

<400> 440  
acttttttagt agagacaggg tcttgaaatg ctgcctaggg tgggtcttaaa ctctctggcct 60  
caagagagcc tcctgcctct ttttttcctt ttaaaataag aactatcact gttttcttct 120  
ccttcctttt tttttttttt ttttctctag caactattgc caccctggcc ccaaaagtta 180  
tttatagagt acattggttag taattatact tacaatttag tccatggagt gcaggaccat 240  
gaggaactat agctagataa gattgtgcc aattagaag aatagacatt ttactttcag 300  
agaccatgac taaaagaata ttaacaccaa gatgtcctt ccatcagctg gatgtacctt 360  
tgggcttgga aagatggcaa gtataggagt tgtactggaa cggctggatc aaatagggtg 420  
aaggcatttt tgtcattgta catgtgggga aaagcaacca agtaataaga cncacn 477

<210> 441  
<211> 278  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA215468

<220>  
<221> unsure  
<222> (1)..(278)  
<223> n = a or c or g or t

<400> 441  
tttttttgaca gagccacact cgccgtcttt attttgcact caccctgggt gacactgggc 60  
aggccgctcc tgccacagcc agactgagga agaacacagc actcggcagg cccagtgggg 120  
tccgtgcagg gaggaccag gaccagcctt actcccgagc aaggacaca gggccccaca 180  
gagaaccctt ccgggaggtt ctctcctggc tgggggaggg ctctggacct ccacaaacac 240  
tccccaaactt tcgggggctg gggcataaaa aaaagnca 278

<210> 442  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA215585

<400> 442  
gagatggagt ttcactctta tcaccagggc tggacgacag tgggtgcaatc tcggctcact 60  
gcaacctctg cctcccaggt tcaagcgatt atctcgctc agcctcccaa gtagctggga 120  
ttacaggcgc ccacctaatt tctgcatttt tagtagagac ggggtttcac catgttggtc 180  
aggctggtct caaactcctg acctcaggtg atccacctgc ctcagcctcc caaagtgtg 240  
ggattacagg tgtgagccac cgtgcccagt gtagtagacag caaaatttaa agttcaccaa 300  
ctgatgttcc caaaagtgtg gaacactaaa tgacacaggg ctatgaggta catacatttc 360  
ttttagtagg agggaaaagt aaaagctttt caaagt 396

<210> 443  
<211> 420  
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA215919

<400> 443

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gaaagggcgg tttgtgatgc tcctgccatc gtcaactcac accattccat tctatcccaa 60
cccccttgac cctaggccat ttcctagctc ccgccttcct ccaggaatta tcgggggtga 120
atatgaccaa agaccaacac ttccctatgt tggagaccca atcagttcac tcattcctgg 180
tcctgggggag acgcccagcc agtttccttc cacttagagc acgctttgat ccagttggcc 240
cacttccagg agctataccc catctttgcc acgggcgagg gcgggccccca atgacagatt 300
ttcccttttag agcccagcag ggggtgtggc aactcatagg ccggctgtca ttcattgtgat 360
tgatttgttaa tttcatatct ggagctccac ttgtttttgt ttctaaacta cagatgtcac 420
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<210> 444

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA218663

<400> 444

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cttcctcttc ccttcgtctt ttcctttctc tttcttccct ttctctctcc cgttcttttt 60
ctctttcttc tctttcttgc ttctcctttt ttagacgctc atcacgatca ggttcttcgg 120
ttcttttctc taacttttct ttttaattct ctacagtagc ttttaatttg gcatagccat 180
gtgttggttt cccatcaaag gggtcatctac ccgggactgg gcattctcta ctattaaaaa 240
ggctccacat acttcacaaa ctctcatttg ttttcttctg gcagcaaagc tttcaattgt 300
cgacgttgtg gaccttaagc agttctctct cttcttttaa ttggctcaac taatttc 357
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<210> 445

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA218727

<400> 445

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actgcaacct ccacctccca ggttcaagcg attctcctgc ttcagcctcc caagtagctg 120
gaactacggg tgcgtgctac cacaccagc taatttttta ttagagagac gggtttcacc 180
gtgttagcca ggatggtctc gatctcctga cctcgtgac cgctgcctc ggcttccaa 240
agtgtgaggg ttacaggcgt gacaccgctg cccggcctca actttttatt tattagcttg 300
ttggtcttca acctctgtaa gctcagttt cctcacttat caatcatcta ctgctgtata 360
gagacaggtc catctcctag catgcagggt gaggctaagt tgacatttga a 411
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<210> 446

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219039

<400> 446

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tggagagaag atacatccgt aaatctcaga gtcacacatc atagcacaga gtatggagcc 120
tgtgagaaag aactaactgt gtggctgatg tcaaggtttc atccaagcta gaaaatcttg 180
catagaaagc acccaaactt gtacttgctt tgttcccttc tgggctcccg aattgttata 240
```

```

gggcttttga aaaaaattaa tgatacaaat cctgcatccc aaataggatg actgtataat 300
cacagaacca gcaggaactc ttagcagttc ccatgatgtg gaccaaaagc aggaccaact 360
ccaggcaggc attctat 377

```

```

<210> 447
<211> 444
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA219304

```

```

<220>
<221> unsure
<222> (1)..(444)
<223> n = a or c or g or t

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<400> 447
gcttgggcaa aagtcttcag aacaaaggct gtgagcaggt gttgccctgg ttcctgccat 60
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aaccagtgtt gagatagcca atggcttgga cttgacctct ggagtaagct gctgtgtttc 180
atntagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240
gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300
caaaactgag acagaagctc gggcagattc ttctaccaca tttgggtggca gtttcaggga 360
taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420
ctctagtcct tcaggttcaa ccaa 444

```

```

<210> 448
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA219653

```

```

<400> 448
accaaagaat aaatgtactg tattaacatg aagactaatg acaaatgcac tgcagtagta 60
agcacgtcat agatgcatag aatattctct atatagtctg aatatggata taaaataagt 120
tatactcatt ttgttttcca tcacagtagg agcatagcat acaaagtgat tggttcagtg 180
gccatgaagc aagccagggg agagaccaca gaagagaatg tagggcattg agtacagtgg 240
ggatttgcca aggacactgc agagtcctct gggaccctct gggaacaagg ccccaaacct 300
ctcaagttag cc 312

```

```

<210> 449
<211> 376
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA223335

```

```

<220>
<221> unsure
<222> (1)..(376)
<223> n = a or c or g or t

```

```

<400> 449
gatcttttcta gaatttaata aacttagtta ttctaagtta tccaactatt tggattccca 60
ggtttcatga ttgcaaaagg caggaatggg atgtgaatgg gcagacagta attcagttct 120
tggtttcttt tcctttgatt tgtttacaan ngannatttg catgttttct ccanggacgn 180
tcgcantcnc ttgctggcca agacatccag gtcacagcag attcggnenc gtgtggnana 240

```



```

accatggat gatgtcatcc acaaaccctc gcactgctgc agggaaaggg ttggcaaact 300
tctcgatgta ctctgcctga gcagcttcca cattctcatg ccctttgaag atgatctcca 360
cagcgccctt tgctcc 376

```

```

<210> 450
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA223902

```

```

<220>
<221> unsure
<222> (1)..(495)
<223> n = a or c or g or t

```

```

<400> 450
gaatgtaaaa agttttataa tttattttct ccttagggca ggtgtacatt acatattagt 60
gctcaaatat atgttcattt ccagaatgaa tttttgcaca gtaatcatat atccatttaa 120
tatgtataaa gtgttcttgg ggatgggggt atattcactc actgtacat gttttataca 180
ggcttcaaca tgcaaatttg tttatatcat ggcttcaat gatcctccat tctcattcct 240
gtagattaag agttcatatt gtatatctga ccctgaaatg tacaaaacttc aactacaac 300
attcttcatg aactatttg ttatgaggaa agttgcagct aaatattagt catgtgactt 360
aaattttgag aaaatggaaa atggtaatag gtataaattt cccngacaca tacagcaaga 420
caaatccagc ccagcctttg gatgatcacc ttaaaaagcc cggagatggn cataacctgg 480
ttggggaaaa tttgg 495

```

```

<210> 451
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA224502

```

```

<220>
<221> unsure
<222> (1)..(511)
<223> n = a or c or g or t

```

```

<400> 451
nnctntggaa agatctgcct cttctccaag aaactcaacc actagtgaca atgaccagcc 60
tcttgactac tctttctcca agagaagaac tgatgaccac cccaatttta cagcccactg 120
aggccctgtc cccagaagat ggagccagca cagcacctca ttgcagttgt tatcaccgtt 180
gtcttcttca ccttgctctc ggtcgtgatc ttgatcttct tttacctgta caagaacaaa 240
aggcagctac gtcacctatg aacctacaga aggtgagccc agtgccatcg tccagatgga 300
agagtgactt tggccaaggg aagccgagaa agaggaatat ttcattctaat gacttccagg 360
cccnaggag cttattcctg gctccatcgc taacacgttg actgcttatt atggggaaaag 420
ttttctctga agccagggag aagcattgat tgatgtgggc aaatccaagc tccagccagg 480
tcgcagtcen aatgccgcat cactgacttc a 511

```

```

<210> 452
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA226925

```

```

<400> 452

```

```

tttttttttt ttttttcttt ttttttttca ttttagtcttt ttgtttttatt caaatgtcaa 60
aatgtaagtt ccaagataca aattatgttt gatttaaaaa catcgactat gctttgttaa 120
caacttccaa agccaaatgt aagttgttgt gactaaaatg cctccccagt acatttctgg 180
aggattaacc ttaatatgtt tagcagctag tctgatttcc actctacaaa aaggaaaatg 240
atgctataag ggaaagataa tgaacaaagt tataatatgt aagacttcct gggaagaact 300
tgaaccatt                                     309

```

<210> 453  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA226932

```

<400> 453
tttcacagaa caggggtggtt tattattttca atagcaaaga gctgaaaaat gtcgggtccc 60
ataaaggagc agaacctgac ccagagcctg cagtacattt ccaccccaca gggtcaggct 120
gggccaggca gggcaaagga gcagaaatgg gagtaagaga ctgtgcccac tgagaagctc 180
tgctgggtgt gggcaggtgg gcatgagatg atgatgatgt agtgtaagga ccaggtaggc 240
aaaacctgtt caggtcttgt tgagtgt                                     267

```

<210> 454  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA227145

```

<400> 454
acatagcaaa ttctttatatt tcatattaac agtaaaacat aaaacagaaa cattaaaaca 60
gggcataaac agagttccca tggccctgtt tcaaaagcag gggcaagaat acatacaatg 120
acaagacatt ttgagttcgt ttaactccaa atcctcaagt ggggaaaaaaa acttagaggt 180
agtgacaaag gaatatggtg gggcagagac tgggtggagcc cagaagacta aagcctggat 240
ttataaatgt gatgtcctac aacggggact ggggaatggca tcagggtttt tttttgtttg 300
tttgtttgtt ttgagatgga gtcttgctct gtcaccgagg ctggagtgca gtggcgcgat 360
ctcgactcac tgcaacctct gctcccagg gttcaagcaa ttctcctgcc tcagcctccc 420
aagtagctgg gactacaggc atgcgcacca ctgcaccag ttaatttttg                                     470

```

<210> 455  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA227452

```

<400> 455
tttttttctg aattcattta tttagaggta aaacacagcc attcaaaatt gtggaataca 60
atgtctacac acagaataag gttggggaat taagctgaat tggttatatt cattcacatt 120
aataaatatt tttaaagaag aaattgtaga ttttaaaagc ttcattagac actagtgaca 180
catacaaata actaaactct catactgctt gattttcagg ttgaaagggtt acaataatct 240
atataatttca attacatggc agtaaatata aaagcatttt aaacatcttt tgaactgtgt 300
agtatactat aagcaggagt ttattctaaa acattccatc attcttctga cctgtttatg 360
ggctatgctg gacac                                     375

```

<210> 456  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA227480

<400> 456

```
tttttttgat tctattactt ttattaaata gtgggtttcc acacatggct ttttaaataa 60
tccaggcagg agaagagagg agggcacact tggaactccc ctccccacaa tacgtgatta 120
tttacatttt agtaattgga caatcccggc tcaggaggag gttgcaagaa tctgcaaaaag 180
ttggagggag cgccccagga gaacaaacag caagccttat ttcccctagc ccatccccca 240
aaaaaccatc catcccatcc tagtgtctgg tgggtgtccg tgggtgtccat cttccattcc 300
ttcccaaatt atggaagtaa ggttcttctc accagaataa gagcacttgg gataacagag 360
taggttcccc tcacccaaaa aaaaaaaaaa aaaagaagaa gc 402
```

<210> 457

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227541

<400> 457

```
cacattacaa ttttaacagg tttatttgag cattcagcaa ttttatcaat caggcagtgg 60
cagaccgcca gcagttcagg gcgccaccac cgaggaaacc agaggggaca cttacaaggt 120
gtctctggga gcaagacaaa gaaactatct gattgggttag agtggaaagt tcatatttag 180
agggttaactg accataaatc tcttggttaga gggttagtcgg tagtttctga ctggttaagc 240
tgaagtttcc tgctcctagg ttacacacaa cactttcact ctgagttgag tttcagtttg 300
ctgacttagg aacccaaagt gcaggagcca tttcagccta ttggcctccc agcgaatttt 360
ttataacagg tgagggaggg tgcttagtgt gtatcagaat agcataccaa aggaagc 417
```

<210> 458

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227560

<400> 458

```
agcattccat catgtttatt gactcctggg ggacagggtca caaagtcagt ttgtgggcag 60
gccagactgc catagaagga agtcaggggc ctcaaggggt ggcactcttc cttaactcgt 120
aactcttgga ggcaagcttg gaaggtgctt tatttcccgc tatgattata ccaaccctgt 180
ggcctgctcc aggttcagg atctttaggg ccttcttgcg aacctactgg tgggggggtgc 240
tgcaagccct ccccttgccc gaagtgccaa gccccatgtg ggcaaggcag ttgtctgttg 300
catagtcaag tagttgttgt ctccaacttg caccacagag cag 343
```

<210> 459

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227901

<400> 459

```
tttttgtcaa gcgaaatagt ttttaattagt aggctgatca taaataaatc tacataaaaag 60
atttaacaga attacaaaga gttttgtgtt cctttgtgga ctcaattcat aatatgcatt 120
agtcaacctc attctctaac tgtgacaaaa agagttgtca tccaacaatg cagcacagtt 180
taagcaattc atatgctata gttacatttt tacattttct ttacaaatgt aacatttatg 240
tacatttatat atagattttt ttctatagtt catgtactga aactctattg tttttacaga 300
gaaaatgttg aattcattta atgaataaga aacattcctt gttaaaaagt aattcatata 360
```

aacaaataac acggtaccaa tgccttttgg

390

<210> 460

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227926

<400> 460

```
atgtaaacta tcaaagtgtt atttaaattt ccatttaaaa tattttcaag taaaatatgt 60
acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggtata atacatataa 120
atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180
tccatacaaa agcacatgca tcaagagttt ccataagatg aaaacaaaca cacttacttc 240
atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300
cagtaccaga actctcccca gag                                     323
```

<210> 461

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227968

<400> 461

```
ttttttttta acagcttgta ctttattaca tatgcaacct tgccatgcct gccagttaac 60
tcccctcccg ccaatgttat cctcatgata tcagctccct cttggggcca ctgagctgcc 120
cccctttcct tctgggctgg agtagtggtg cccctcaagc aggcaatggg cagggggaga 180
tccacaatta atcgtcgcag ttctcttaaa agtattaaca cttaaataag cactcttggg 240
gagttgcaaa ggatattcag gatgggatgc agtgggaggg taccctcat ccaaggtaca 300
ggctggaatg agctacagct ggtctatcgt ggg                                     333
```

<210> 462

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA228119

<400> 462

```
aattttttaa atttcacatt taatgtcatg ttaaaaactt ttctaaatca gtcttccagt 60
atcggattct taagtgagaa aaaagaagac aaaagaggaa aattccgtat caattattta 120
gcctcctccc ttccctagaa accaacattt ctttttaaat gcaaggcaca ctccctttct 180
tagaacagag atcaggaaac tttttgtgta attttgtgta aagggcaggt taataaacat 240
tttgggcttt gcgattctca tttggcttct attgcagctg tttaccttag gctggagtag 300
tgggaaagca gccatagaca atctgcattt ataaaaagaa gtccaaattt ggcccttgg 359
```

<210> 463

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232114

<400> 463

```
ttagcatagt catcttagct ttattgagta aggcattcca atctctgcta agattcttct 60
aatgaacgg ctgatttttc tgccaaacta tgcattggtc aaagagaaat caccacctgg 120
```

ccacccatt ctgtccccct acaggacact aagggttctt acagataaag ggacgatgca 180  
 ttcattgctg gagaactaat cacacctgat ttctctggga tctaaaataa tgtcaaattt 240  
 gattcacttt atgtaaagaa aatctttttt ttctgcaaac cccttcagaa caatgctgcc 300  
 atccatgcaa gatgtgtgta aggccacctc tgtatactaa gaatgggtgcc ccagcagggtg 360  
 gaaggatggc acacctgctg agcgtgggca cagc 394

<210> 464

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232508

<400> 464

gagggtacat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttccatt 60  
 tgtgcattca gggcctctgc aggcctcacac agggagtctg aggggatagt gtttaagtga 120  
 gcactcaggc ttctctctgag gaaaagaaat gaccaaagtg cagactttta ttactgccat 180  
 tctgtctcct aatgggagca ggagtcaaaa ggaaaaacaa attaaaaggg gctaattgaga 240  
 aaggaggaga gatgagacag agagtgtgaa gggctatgag cgtggcatct cataaattct 300  
 tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360  
 ttatctctac tacaactact tacatatatc taatgggaaa a 401

<210> 465

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232837

<400> 465

acgacaccta tagatatggc accaacaatca catgcacgca tgccctttca cacacacttt 60  
 ctacccaatt ctcacctagt gtcacgttcc cccgaccctg gcacacgggc caaggtaccc 120  
 acaggatccc atccccctccc gcacagccct gggccccagc acctcccctc ctccagcttc 180  
 ctggcctccc agccacttcc tccccccag tgccctggacc cggagtgaga acaggaagcc 240  
 attcacctcc gctccttgac gtgagtgttt ccaggacccc ctcggggcct gagccggggg 300  
 tgaggggtcac ctgttgctcg gaggggagcc actccttctc cccaactcc cagccctgcc 360  
 tgtggcccgt tgaaatgttg gtggcactta ataaatatta gtaaactcctt aaaaaaaaaa 420  
 aaat 425

<210> 466

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233126

<400> 466

ttgataggat tatgaatgat ttttatTTTT ttctttatac tttgtttaaa attttctaca 60  
 aaattgtata ttttttaata attaaggaaa gagaaatctt tttttaaaaa aatacattta 120  
 tttcaaccat attgtaaact ctgtttaact ccattgccta attccaatgg aaaaaatgta 180  
 tctatctgta gccttctttg gaatatTTTC cagatcttct ccccgctcatc atttctatag 240  
 ccactactgc aggaagggtt tatcatcgtg tatcccctct tcggtgtgat tatgtcagga 300  
 gcagtcaatg ctagagaaat ttttgctcct ctaatttaat aataataact aacatacatt 360  
 aggtacacca agtaccaggc tccttgta 388

<210> 467

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233152

<400> 467

```
agacagaaat agaattttat tttcttttaa gcaactgtatt ttttatttct tcattatagc 60
acattaccct aatgtaatat tcataagact ggcataagatt tgaaacttac ctatctccca 120
cctagaaatg ggaagagcct aaagatatgg gtcataagaa acaaaaaaag ggctggatta 180
gggcactcct taggggaagg tagactcaca tgggccactg aaataaagga acctgggtgg 240
tcagctaggg ggcaggataa agttttttga catctggagg gggcaagagg atgaaccaat 300
gaagatactt catgtacttt aaaatt                                     326
```

<210> 468

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233225

<400> 468

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gagcaatacc tttctgtacc cgtggtgaga caagaccag agctactgga aaacaagcac 60
tttggaagat ttgttttggt ttcattggaat aataatatgt cagggtataa tttaacgtga 120
gtttcttatg tgcccttaaa gactgttaga caagaaaagc attcactggc taataatcca 180
taggtcgacc tatgtcctaa gttaggtgta aggtccgatg ccttggccac actcgagctc 240
tctttacatt gttagtgtgc aaccttggt gatggaaatc ccgtaaccac tatttgttgc 300
actgtgccat gaagggcagc agggccaagt gctgctctga ctgaaaactg agttaacaag 360
atgaaatcta aaggatattc acagtgactt caattcagga agaattgctt caaaagagcc 420
cagtggggaa atctgacatc acagaagaca ttaattcagt cactttcaa gagtttgtct 480
acaggcggtt tctctgttat caaggcattt gaaataggat tttac                                     525
```

<210> 469

<211> 188

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233290

<400> 469

```
atatgcattt tacttccctt taatcaaaaa ataaataagt acactccaca gggacttttt 60
ttttttaatg aggaaaaaag gtgaaagaac aaaataaaac aaacaaaacc aaaacctaca 120
gggactcttc atttcaggac tgcaaggaat caccagccag gctgaggagc acggacagcc 180
agcccgagc                                     188
```

<210> 470

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233347

<400> 470

```
gctgcaaaca tgcagagatt tcattttattt tgtttggcac atgggaacta cttttgttc 60
ctattatctg tgtgtttcac tttgctgtgc agattttcat ccaatttttt tcaggggagg 120
gcataacat ttgtagggct gtatctatcc aattctgctt gtaacaaaca cccaaacatc 180
ctaaaatatc aattataaga cagacaagtg taatgtaaaa ctctggagaa catcaaagaa 240
aaatggccat gcactgtctc tttaatgttt tcctacgata tattaaaata aaaacaaagt 300
ttcagttctt tcacaagaag taattttatat tctctgaatt ttttcagcca caacaactgg 360
```

attctctttt ctgatttttg ctgcagc

387

<210> 471

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233369

<400> 471

```
tgcaattgag acttagttta ttccatgttt cccttgaagt tcccttgaag gcgtgtgctg 60
tcagttacta atagagctgt gtagaaaact cagtgcacaa gtgtcatttt gacctggagg 120
gctgcagggg ctgaaagaat ccagcattcc ccaaactgga gcgaagagca ccatgagacc 180
actgggggtt actggctcaa tggcagccca cggatgacaa tgcacaaacc tcatttgtgt 240
gtgttcacat tttgacaaag aatagcacca agaacaacct ttaggtaaac agtctcctca 300
gcacattttt tgctccctga attgctgtgg gcagcagttt tcacttcagt tt 352
```

<210> 472

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233763

<400> 472

```
caaaagggtg tttactatth ggccaaacaa tattttttta ttgtcagtca taaagtgaag 60
tacatactaa aatatatatt aaatatctac caaatctgca ttgctgctac atgaaaacat 120
tttttgggtc gttggaaaat gtaattcctg agatcattgt tgggctttgt caatcatttt 180
cctcaccatc aaatcacctt aagtgacttg ggagtgtgaa tctaggatgt tcaatttttag 240
accaattttt tctatcttct aaatgagtaa acaggctctg tcttttataa aaggtagaaa 300
aataaccatg gtgtgctaatt ttttttcaag gtataccata tggaaaagta taggctgaac 360
acaaaggaag tcttttctga atggctctca atcacacata aggaacatat gttttccagt 420
t 421
```

<210> 473

<211> 539

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233797

<400> 473

```
gggttaaaca gtatttattg aatgtaaagt accccagccc catgggagag aaaattccaa 60
gaacggggaa taatacagat taaataccca cctgtgcatt cacactctca cacacacaca 120
cacatgccac gcacatatcc aagctccaac ggtgacaaat caaacacctg tttccccag 180
cctgagggac agctggtagg aggtggttca gaggtggggc tccaggatgg gctctaatag 240
cagcagcctt gtctctccct gccccctgcc ctgccccagg ggtcaaaggg agctgggcgt 300
ggcgcatagg aggttggcgg caactcttcc cccactcctg ccgcagaccg cttcttgggc 360
tcttgatctc aattcatagg cctccttcaa tgggagcgtt gtggtccctc cttattgggc 420
ccacgggtca cacagcccggt agggctcttat tgggcctgta gcatgtgggc tgcgtctttg 480
gctgctcgct tgccgatgag gtggctgtac ttgtccttgt agtcgtggc agggctcac 539
```

<210> 474

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233837

<400> 474

```
tttttttttca cacagaatgg aataaaaactt tattcttttt aaattccaca cataaacgag 60
atgctgaaaa agcccttgcc atctctgaca gaaaagcaga gcagctctgt ttcataaacg 120
acagcacaat taaagctaaa ataataataa aataattcga aaaaatccct tttactgtac 180
actctcaaag caagaaagag aaacaacagt tttgttttgt ttttttctgc tagccagaaa 240
atgtgtttct attcatttgg gctttgaagt tcagtgtacc ccacatctgt gtgtctgtgt 300
gtgtatgctg ggctatgtgc gtgtaatcta tgcagtgtgg aagcccctaa tcttttcac 360
tagtttgcct aatcattaag ctacttaacc aattataata ctattatgtc acattgaaca 420
actttacata attgcttctt tgaaatacta gaaacattg 459
```

<210> 475

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233886

<400> 475

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ctgggggttct caagatttat tcaggatcgt gttaacggag gcggtgggag gataggggtcc 60
ctgacgtgcc ggggacacac acagagaacc ctccccgcc cgcgaagtag gggggaggcg 120
tcggtttttc ttaaaaatat aaatgtattt atctgcatta tcacgtccct gggg 174
```

<210> 476

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233897

<400> 476

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tgctacaaaaa cccagaataa atatcttcaa gttacaaaag caaacacagg ctagaaaagt 120
tggtctgtaaa aaggcaacag agaggacaga cccaaaagat aaatgtctgc ttgcttggtt 180
ggggctggtg ctcaaggagg gacagttggt ggccctctcc cccgaccatg ccttagaagc 240
atctccgcca gtccagtga tccaggcctgg gtgataacgg aaaaagttcc atgcctgcag 300
gcatcgttct gccatcactc accgagcttc ctggtctgtg ttcccttcc cagcctcact 360
gttaccgcta aaaatgagga gc 382
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<210> 477

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233959

<400> 477

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tcacccgatt aaatcagaat gttgctaaag acttatgttc ctatttcaac agagcagtg 180
ctaggaaatc tacagtagaa ctctcttctc aggttccca atctgaccca ttcccattca 240
accagaggt gctca 255
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<210> 478

<211> 403

<212> DNA

<213> Homo sapiens



<220>

<223> Genbank Accession No. AA234095

<400> 478

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cttattctac atgcctgaaa actgggcccc cacacagggg cacacgtaca cgcacacaaa 180
cgcagatacg gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240
gattagctct catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300
aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcattctgc tcttgctctc 360
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<210> 479

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234096

<400> 479

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gtcaggggggc tgtgtggacg agctcaattt cgatgcatct cgggagaccc gggcaagagg 180
ccgcttggaat tccgggaggc aacgccccac agtcaggatc ccttgctcgc cgcccccaac 240
cggtcaggat ccttggtctg cgtcccccaac cggttcctgt tctcacctgg gtctgcagg 300
cgtccactgg aggaagccgg atggctgggc ttggtctttc aggaaggctg gctggcaccg 360
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<210> 480

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234346

<400> 480

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ttcaaaaata acatattttt ctttgacaaa atcagtaaag tggcaagctt gtcaaagaat 180
catttcagtc taacatttta cttagtggat aaatatttgt caacaatctg taaatagtat 240
aaatgctttt ctcaaaatgc tacgtgaaag aagccaggca caatagatta cacattgcat 300
gattccattt atatgaaatt ctcaaacagc agaactaatg atagaaaagca aaccagtgtt 360
tgccaggggc caaggatagg agcaggggat tgact 395
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<210> 481

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234362

<400> 481

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actttctgaa atgacacact gtacaaactg gacaaatgag acgactgact gtgacagggg 180
ccggggagct cttcaagggg ccgttttctt caagtctcgg atctgtttta tcaagtagtt 240
cttctcgtca gcgaactgct catcatccgt cctttctttt tggaagctgc tcagaaactc 300
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aatgagtttg ggctgatttt ttaacaggat ctccacaata ggctgtgttt tgtgaggact 360  
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<210> 482

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234365

<400> 482

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ttgattacag aaaactgttc aaactgttca tcaaaaactg agtgggattt tccattgata 180  
tttcagatat tcaaatacaac ccatattctg agtatcaatc tgaattgcac aggttaagat 240  
gtgaaccctt cacatagtgt tgaagatgtg ttgaaatctg tacttgaatt ggcattgttt 300  
tcctcagagt taggtgcct tcatgagaaa tatcttctat ccctgagaga tcagctacat 360  
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<210> 483

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234527

<400> 483

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gggaaagcta cgaactagct gcccatctta aacagctgta caataacttg aataaaaaat 180  
tatgtaagaa aaaatgagca agcgtagtct actaaatata aaggaaattg ttaaaaccag 240  
acagtaatag ctataaaagg cacaacttcc cttttctgat atacacttgt aaactttttt 300  
tcaggtttcc atgcataaat caaaaatgct atcctaacta tacagggggg ggatacacca 360  
acagaaagtc tagaaaattt catccagcca actgtga 397

<210> 484

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234530

<400> 484

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gttaacacaa tgtgtgctgc tttcatgagg aggaaagagg caagatctta gaggaatcca 180  
ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240  
aaaataagct aggggaagaaa acccaaaaca aagaagatat gacatccaag tctccaccaa 300  
aagtatacaa atggcaagat ttggagatga tctgtcttct cacatgagga caaataacag 360  
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<210> 485

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234561

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tttgtacaca cataaataat tatagatgtg tacatatgca tggattaata tacatacata 180  
tttctcaact ctgctacaaa cagtgcacatc ccagtagcaa caagcacatc taattgccca 240  
gatcttggtt tctaagtatg attctccaac aaaaggaacc agggctcttt ggagcagggg 300  
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<210> 486

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234634

<400> 486  
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<210> 487

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234687

<400> 487  
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accgaggaaa ccttgccccc atcactcagc attgcactta gatacagaat gagttagata 240  
aacttggtct gtctagagac ccatgtcatc ttaacctaaa gggaaatctt attgcggtat 300  
cataaaaattg atgatatctt agggtcagaa ttgccctttt ttttttattt tgaatgggaa 360  
gttctcacta aaacaatcct gagatttctt aatttcattg ttctttaaat attataaaca 420  
cagagtcaac atagaattaa attgtatttg ttaaaatata cacattggag gacaagagca 480  
gatgactact tttcgaagta atgctgctcc ttcctaaaag tctgttttca atcctggtaa 540  
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<210> 488

<211> 263

<212> DNA

<213> Homo sapiens

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cagttctgga ctgacaactt tttcgtgatt cagagattta cctaagagac agttagcat 180  
tttacttctc aacagccaat gcagacaggc agtctggagg tttttcacia tgcagtcac 240  
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<210> 489

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234717

<400> 489

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ctttccattt aatttcccat ggttttgcta cgttgactaa actctgtaat gagaaagtct 180
tttaatttaa tagactttgc aggtcatgtg taaccagctt tggaaatcat tttaggatta 240
ctgagtgtg tttcataatg ctgtatat ttcctgccag gatttggagt acctaggtta 300
tttgtccacc agaacaatgg ctgtaaagga gaaaattgag cagtggtcag aagctgctga 360
gaagatgcgg taaaacaggt tacataaaaa acaatgctgg tttgaaataa cctatgcgct 420
tttgtca 427
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<210> 490

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234817

<400> 490

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aattgttgag ggcaagcttc attgttgata gtgcaaagtg tcgctgttgt gatgtgtgtt 180
tattttattc aagtttgaat attgacaagt gtaacttaag ctggtgactg acacctattg 240
atctgtgtg tgcaaatgat agtactattt tttagaaaaa tcttaagtaa attttaaaaa 300
tatttgaata caaaatatct gagcaatttt gaaactcaaaa gtttttcatt gttttaagga 360
ttgccacagg actctttaat gggttttaat ggacatacat gcctaataatt tattggtgtg 420
ttaaaatag 429
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<210> 491

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234831

<400> 491

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agagaaccat atattttaaac aacgaatagc agggtagctt acttaggtga cacagttcat 120
tgaaaactta atactgaaaa ataccgcaat ctggacagca agacaaatat caacaaatgt 180
gtttt 185
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<210> 492

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234916

<400> 492

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gaccataagt gtacaccacc atgactggct aattttttac ttttccgtag agatggagtc 180
ttgtgatatt gccagcctg gtcttgaact tttggcctcc gacaaccttc ccatcatggc 240
ttcccaaagc attgggacta cagacatgga ctagctccat ttcttgatgt gaggccataa 300
gcagaaccaa gcagactcaa ggcccttggt tgcttgga caattagcta ttaataacat 360
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ccaggaaaaa gctcagtcct ctgagtcagg aaaacctggg ctggagtcct ggctacactg 420  
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<210> 493

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235233

<400> 493

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tgacataact ggcaagagta acttgaaaaa taacttaatc cagcagaaca aaaacatcct 180  
cagaaaaaca tcctcagtag tactgaatat atctctctca tatatctatc tatctatcta 240  
tctatatata tatatatata tagctttgca caatcaggga gcaaggcacc ataatgaaat 300  
gagcatacat ttatgcagaa gaaaataata gcaacaaagc tgcgagaaaa attgtaactt 360  
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<210> 494

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235288

<400> 494

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ccttttatat cctatttttag gcaaaatgat aaaacccaga aaataacagg aatgtactag 180  
tcctaaaaac tggacctttt ataaatgaaa cagatccgat cacctatacc ttctctcaaa 240  
ttccaaaataa tgaggcttac tgacctgtac tctcagaatc aacttaaata catttttagct 300  
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<210> 495

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235289

<400> 495

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agtatagatt cttagtagat gcaattatct ctgacttgtg ccaaattctt aggaacaata 180  
aacacacatg cacacacaaa cacacactct tctctcagtt acacacgtaa gaccagaggt 240  
tacttgcaca agactgtgaa accaacaata tgtgggggtg tgtatagatc gcaggctcag 300  
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<210> 496

<211> 139

<212> DNA

<213> Homo sapiens

<220>

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<211> 230  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA235448

<400> 497  
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ggttaataaa gattttaaat atttcttggT ttacttttgt aattatatac acaacaaatg 180  
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<211> 183  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA235507

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caattgaact agcagctttg cgaacttttc cgtacattcc tgccagatta gtttctgtgt 180  
cat 183

<210> 499  
<211> 382  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA235618

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aaaattcatt ctaagaaaaac ttggcaaatg aaactttgga ctggaattgg catttctttc 180  
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aatgactct ttaaaataaa gttttagaga aactatatta tggatagggc tgatttacat 360  
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<210> 500  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA235707

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tagtctttct	gagttaggtc	ctgattcagt	actgaggtct	agtaattaag	aggccccggg	180
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tggttgccg	atgccactga	atccgggtta	gaggacgagg	aagaggaaga	cgaggaggaa	300
gaggagacgg	aatttccttc	cgagaccgc	tttctcttgc	gcttggaat	gctgctgtct	360
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<210> 501  
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<220>  
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	cttgcgctcc	agcaaatgaa	cataaaaaaca	acaatgtcag	cagcattaaa	gtgcttttgg	180
	ccatacttct	ttcagaaaagg	gtctctccct	cagtgggtata	aatttaattt	tacgtattga	240
	agaagctcaa	aatttcattc	attccccagg	ggctacattg	aaaaaaaaatt	catgtttacg	300
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	tt						362

<210> 502  
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 <212> DNA  
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<220>  
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	gtgatttaaa	ataatgatgt	gtataattat	tgacatagaa	agaaatttag	ccatttatta	180
	aatgaaaaca	agtatgtttg	taaaacggta	tccagaagac	aaaggaccca	gtttcttcaa	240
	cataacagt	gcatgtgaac	caaaatgtag	ggggaactat	aataaagagg	cttaagaaag	300
	aagaaaaaat	aaaaaataaa	acaggcttaa	tatatcaacc	gcatgcaata	tgtttagatc	360
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<210> 503  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA235853

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	gacaagtcct	cctctcggca	cgcttgggtc	cccaggactg	ctgaagcaca	agacccgagg	180
	agtggcctgg	tccttccttc	ctggcctgtg	tggactctga	tgagggtgtt	ggacgcgggtg	240
	gccttcaacc	tggggcccgt	tggccagagc	tcggcctctc	agagaccgct	gcaggccctg	300
	cctcgccgcc	tcctg					315

<210> 504  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA235868

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agctattaat atacaaagat acatcttttc accagtcttt ccttctgatg tctctgttcc 180  
agaatcatat agactctcat ttctctacac tccccattcc atcatttctt cagatcatga 240  
aaactgaatt tgctgaacac cagaaatctg ttgatatgat gttgtgtaaa ccataacatt 300  
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<210> 505  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA235873

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acataaaaaa tgaaattgag aactgattta atactaaagt tctgaataaa ggtgtgcact 180  
ttatgattga ttctatcttt ttgcacaagt tggatactcc agtttcccat cccaacatgt 240  
tgttcgcaat gtgtgagaac gtgatgaaag acgatatccc cgtttacaca caaattcaac 300  
tgattcacct gttctcgaat aaagcttctg tttggctgtc caccttaatg ctatgttata 360  
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<210> 506  
<211> 271  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA236037

<400> 506  
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cccgcccacc gctcaggag cttgcaggtc tcctccagga gggcaagtgg cttcggcttc 180  
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gttttttagga agcatgtcca gacagacacc acaaagaaat gccaacagag actatgtggt 300  
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 gttggactgg aaggcttcag tcacatgctg ctttcaagct ttcaggctgg gcaacaagga 240  
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 gacaggaggc attggtaggg gattagatgt agcagcagtc aggctgggat caagatgcct 180  
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<220>  
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 tttttcttct ctccaacata attatgttaa tatggctctc attttttctt tgggtgcagaa 180

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ccgttggtgca gtgggggtcta ccatgcaatt ttctttcagc actgaccctt ttttaaggaa 240
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gggaaagaat gaattaattt ctattttctta aaacattttc ctgagccagt aaacagtagt 360
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ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
acgagagcgt tagtgcgaca gaggcctctg tctccctctt tctcaaagtc ccatgattct 240
gtcaaaggtaa tattgccaat aatcattcac atttcacgtg gtttttagaca cgcaggttat 300
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<220>
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atggtaaaca gtccctcttt tttttaaaaa aaaatcagta cttaaaacca aaggaaggct 180
tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc 240
attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcc 300
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<220>

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<210> 516

<211> 319

<212> DNA

<213> Homo sapiens

<220>

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attaagaaaa ggccgccccg aagctctggg aaagtttggt acacacgggg ttcccttggt 180  
ggggagaaaa gccgccaagc cacacacggt cactggattg gtgtgagtgg gttccaagcg 240  
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<210> 517

<211> 531

<212> DNA

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tccttcatgg cacactcgct ggcataagtg gcattgtcac tggcacagac aggctcatcc 240  
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tcccataaac attttttccc accagtgcac tggatatctt cacaggactt tgctttgata 360  
cactttccct cataggctaa tccaatagat ctgcccagca ggcaggtagc ctttctcagg 420  
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<211> 459

<212> DNA

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gcaaaccata atgccgaaga agtgacatga aggggataaa agtctaattg tttcatcttc 180  
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ccacagggaa aacgcaagag gatattataa caatcagtag cagtattgta tacaatttaa 300  
aaattccatt aggttgagcc accctcactc ctctctctgg ctctctccca tctgaggtat 360  
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 taaaattttt gagattagag gtactatgaa atgcatcttt ccagatttag agagggttaag 180  
 agaacacatg ccatctacat attactgata aggagcaaaa accatagacc taagcttgac 240  
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 ttgtatctat aatacaaat ttagtcaaca aactcctata cctgtgatgg ttttaatgtt 360  
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 aaagcaaaaca ttttcttcca gacaaaggaa tatcaaaaaca cttcggcaca agtacaacaa 180  
 aggcattgga agatcatgat aatgttttac atcacatttt acagcatttt attttaatca 240  
 gtattttagt aaaacaagga tgctgagttc ttgaacactg cagtcacaaa ctcaaactaa 300  
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 ccagggtggt ggctcagggc agagaatcac ccaccagaca gcgtgggtca acgggagcaa 300  
 ggcgcgcagg gacaggtcc acaaccacac caagcaccgc agtgtggcac cgggaccaga 360  
 tgcaagtgct gttcctgcc tggggccaat acccaatact atccctcagt cattcttcct 420  
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aggacagagg gcaacacaca ggtgggtggc gaccctcaag gctgacggca tccctgccc 360  
gagtgcagac cagggcctac tagctctact aaatttcagg gtggcgaaat cctggatgtt 420  
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atggcctctt ctgtatccca agcaaactcc taaatggagg tagagcacgt gttcctattt 180  
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<212> DNA  
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cagtgaggaa agctggggcg tggtctcggc ctgggcctgg gacgggtggg ggtgggaact 180
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gaagctgagt gggaaggggg cggcggagga gatgaagggt gcgtgtggct gtggcctacg 300
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<212> DNA

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<400> 528

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tccatggatc atactttgag aaacactgat atccccttaa tacataacaa aacattgttt 360
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<212> DNA

<213> Homo sapiens

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 tcctgtacag aagcgaaatc ccctgaggca caggcaccca gaacagcagc acccacaaga 360  
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<220>  
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<220>  
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 acaaacagtg gtatctcttg tcatgagttg gatgcctgtg actgacatca ggtattgcca 180  
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 <212> DNA  
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<220>  
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 ccgtgagatg ctcacgagta cccttcctgt tgttttggtta gcattgaaat cgagactatt 300  
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 <212> DNA  
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<220>  
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 aaggggagga taagtaggct cggaaactca aagccttcca gtcccagcac ctgcctttct 180  
 cactacttct ctggagatgg taggagagtt tctaggctct tcagggcagc atgtgattca 240  
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 <211> 503  
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 <213> Homo sapiens

<220>  
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 cgtgacagca gtgcgttccc ctgtccaca ctcccaactga ctgagcttg ccaatgccac 180  
 tatcaaggtc cttgcaaaaa tctggttttc ttttgtctgg aaagggtctg ttttctcctc 240  
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 ataagcaggg gcttaggtaa tagagtgggt tgtgcctgtg gagcctccca atcagctctc 360  
 aacctcctct gttggcagg ccccggcagc acacggccac agcgctcctt cctctcaagg 420  
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<210> 537



<211> 460  
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<220>

<223> Genbank Accession No. AA250775

<400> 537

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aacatcagag ctgaattcct tctaaaatac aacaacaaca aataagtaca 180
cttggtacct tggaaaatgc tgaaatgcta tcatgaatgc tggatatatt gttatgagcc 240
aacagaaaat tacctttaat ataaactata acttactgat gtgattgttc ttcctatgta 300
atctatacat aatcaaagtg agtgatttct catgttttagc aaattgttct ttaggtaatg 360
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<210> 538

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250958

<400> 538

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tccctcccac tgtgctcctc aggcaataga tgattggcta tttctttacc tctgtttttt 180
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cgtgttttaa ggtggatgcg gtcaccttcc cagctagggt tagggattct taatcggcct 300
aggaaatcca gctagtctcg tctctcagtc cctctctca acaggaaaac ccaagtgctg 360
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<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251114

<400> 539

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agctggcacc tcaggccctt ttcttctga aaggagggct gtgtctctct cacattcaca 180
cataccaga cacatgcatg tgtgcacact catggcacat gggacctcag gggtagcctg 240
tttgccgatc cccccaagag gtaccaggag gcagaccgct agaaggagat aagaggcacc 300
ctggtctcct ccaaccgaag gaggaagaaa gctcaacccc tctaggatag ggactgtctt 360
cagtcaatgg agcgttgact tagggggcgt ttttgaaggt tttttttcct cttttttgca 420
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<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251230

<400> 540

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cctggatggg cctgaggccc aaaccctgcc tctcagctgc ctccctgccct acaaaactgg 180
gactgctctc atccagcttc tgatctgttt catttaagat gattaaaata ctccccctcc 240
caattcgctt aaaaataatt ttcaaagatt aaaaatttca tttgtgtgtg tgtgtttttt 300
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<210> 541

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251299

<400> 541

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cctgccaaac tagtgtttca ggagggcacg cgtctgcggc tgaaccgcgg aagggccggg 180
gaggaaccgg gcctcggcga gatggccctg acgcgcccga cactgctgcc gctgctgctg 240
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<210> 542

<211> 243

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA251428

<400> 542

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agcttctcca ggcttttcca agaatcaggg acactgtagc ctggttgtct cagtgtatga 180
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acc 243

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<210> 543

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251766

<400> 543

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ccctaattggc agcataatta atagcaacaa acggcctgtc tgctgcctgc cgcaccggag 180
gtatttttgc agacctgacg agcaaatttt gtgaaatatg tagtatgaag gaagaaagct 240
tggcgggtct tctactgcaga ctttggaact ccagtgtttc ggactggcat tccctgcatg 300
gcctggcggg acacgtgact tctaacacga gggctcctct tagttgggct aggagataac 360
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<210> 544

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251769

<400> 544

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tgtcccagta atgccaactt ggaggtgaag ggctgactgg ggcagctgag aagtgggacc 180
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cctggccttg ctggaggttc ccatggcccc gaactaacag tgtttttctg aaatttcgac 300
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<210> 545

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251776

<400> 545

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taaatacaaaa agccaaagat cattgctggg gatattagca tactagaaac ctttaatatg 180
ctgctactat gatttgtttt aaattattgt ttagtcatat attaaagagc cagctgatgc 240
tcttacagtt aaaaaaactg tgtagccaca ttactgtttt caacgtcctg tgtggaaagt 300
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<210> 546

<211> 343

<212> DNA

<213> Homo sapiens

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<400> 546

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agaaagtaca aatatgaata cattataatt tgtaactgca tttaaaaatt aaaatatttc 180
tctccaaatc caaaacacca cacaatcttt atctgttctc atcttggttac cttagaaaca 240
tttgatcatat gctatcagga aaatataggc aagacttact aatcagttat tcatgatcaa 300
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<210> 547

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251837

<400> 547

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gatttgaaca aaccatgagc agacagctaa ctacatgtta tgtttctctt agtagtttta 180
gggtctgccc agtaatcaag aaattttact tctccagaat acatgaacat gggaaccaa 240
gaaatgtaaa tatttcgaaa aagcactaca caataaaatg agacgcaatc cttatgcagg 300
tcaagatgtt ctccacatct acaatgtgca ttaacaaaat taatgcagat aagaccttca 360
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<220>  
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tctgtgatta gtaggtgatt gatagaaaga aaaggaaggg ctggaaaatc ctcgggcatg 180  
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tgaaacatgc ggtacaaatt taggctgtgt gt 272

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<211> 376  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA251909

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acaaatgggt taaataacaa ggtaaccatt tgtaatgagt ctgttttagaa taaaatagtt 180  
cttcacaaaa gttagacaag gccatgagta agtatatcac tgtataaaaa atatcagtga 240  
cgtcaaaaaa tacctgtacc aaaaagtaga acagcaatgg tagtgcattt aaatgtgtcc 300  
taaattaaat tacagcacat acagtttcag tgttccacaa tacaaccatt gctctgaggc 360  
agcaatctgt gagact 376

<210> 550  
<211> 397  
<212> DNA  
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<220>  
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tatgaaacca tgccattatc tcttaggaaa caaaagcatt caaaattaat ttgggtattaa 180  
agttcaagat tcagactaac ctcaaagtac ggcatgtgca gtgtttaagt gcaagaagta 240  
ttttcattcc aattatttta cagagatgct ggagtgacgt gtgcaatttg aaatattcaa 300  
atcctttaag gtttctgaac taagtgttta aatgaaaact gaaatgctgc atagtttcag 360  
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<212> DNA  
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<220>  
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cagtgtgata gatgaggaga gaaacgaatt tcaatgtcat ctgtgttgag tctcgctgac 180

aactagaacc tcctttggcg tcagacgcac accaatgcta acattagccc tgccccaggc 240  
 agttaggaat ttgtgctcca gtccttgggt tcacacttgc accctgtttg acataaatac 300  
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<220>  
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 aagctagtgc caaatgtgcc ccattggcca ctgaccctaa agatgtgtga cccagaggcc 180  
 atgaaggagc cacgttaacc catggccggt gtcacacctc tccggtttag gactagtgga 240  
 ttttgggcac tggagccacc tctttggcaa acagcttgag ggagaaatca agggctgggg 300  
 cggcctgggt cagcatcccc aatggagatg acgtctatgt gcggcccgca gaactcgggg 360  
 gaggttgctc aggggtgatgc cccactggc ttccacagcc aactcggga actgggcctt 420  
 cagcacgggt gccgtggggg gcagctcctc tggcttgaag ttgtccagca g 471

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<220>  
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 tgggtgctgat aagaaagaag tttgctgttg gtttaacaat gattaccttg aaaattatgt 180  
 gttttttctc actggtagaa tactcacatt taagtagaca tttgatgaat gtgcatattt 240  
 attgataaga ctccacacag gactcctaatt tccatagatt atgcggggag gatcatggta 300  
 caaacatcct tctcccttat gaagggggcat ggcagaaaat gaaggctatt gtgactaaaa 360  
 ggaagctctg cgangattaa caacatataa ctataacctt gtctccaagg gagatctaag 420  
 agtgccccc aagaatctg agagactgta ataggatatg aagagaacag ctgaggaccc 480  
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<220>  
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 tgcaccttta ataacaatgc tctcccagaa ccgggatggg gggcggtgag gtgggggttg 180  
 tgggggagta cgtttctgag ctagttaaag tcaactgagga gggcccatat ctcaatgtgt 240  
 gttgagttac aattagaaat tagtcatgga aggacatgtc taccacagat atctttcctc 300

acattttaa tttccattt cttcctacag tctccttct atcttttagt ccatttttaa 360  
taacccttca tctacatac ccattttatc 389

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<211> 336  
<212> DNA  
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<220>  
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gaaagcaaat tacctgcaaa ctaacactgg atgacaagtg tcaccagaag tgctttggaa 180  
acatgattat gttatacaaa gacttggcaa atccaacagc atacagtgc actgaaacct 240  
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<211> 321  
<212> DNA  
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<220>  
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cagtgcatt tttaaaaaat actgtaatta taatttcaga acttccgaat ttcaacagat 180  
gccagtgttc tctccttttt tcacatggga aaattccctt gaaactcatt tgaagcttgg 240  
acaaaaattc cacagctgta ttcttcagga tcactttgca gagtcttcaa gactcagata 300  
cagaggaagc ttcaattcaa c 321

<210> 557  
<211> 153  
<212> DNA  
<213> Homo sapiens

<220>  
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agccctgccc acagcacagg ctacacagaag ccg 153

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<212> DNA  
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<220>  
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aaaaatatta tagttctttt ttcattcattt attttcatat atgtacact 169

<210> 559  
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 <212> DNA  
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<220>  
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 cattctaaac ttaaaataga aattttttata ttacaaaacg tagaagtaaa attttaaaaa 180  
 gttaaagtac tagcacatat atgtgttagg aaaatgggtct ctgtcaattg cccattttcc 240  
 caattaaatt aacctacgat ttcttttttt taacagctta tttttttcat aaaagttgta 300  
 ctttgagaag ttactttcta attacgtcat gagaacacaa cttgtaatt 349

<210> 560  
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 <212> DNA  
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<220>  
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 gaaaatactg aaaagattac tttgttttat tttgttgtct ttttataaaa ggggaggtgg 300  
 agagaccctc tcagagcagg gattgtgccg ggagagtgcc tctgactttg ggacatttca 360  
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 <212> DNA  
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<220>  
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 cactgagcag agaagcttga agaacgggga tctctctctg tgggcagggg agccccagct 180  
 tccctcgtga ttcccgctct ttcaagtcca ttatggcagc tctgtcaatg agcaccagc 240  
 ggtgggtgtg ccgcagcacc aggaccgcg ctgaaggccc agagacctgg caggccggga 300  
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<210> 562  
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 <212> DNA  
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<220>  
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tcattgtgaga tcttgaatct ctttctttgt tctgtttgtt tagtttagtat catctggtaa 180  
aatagttaaa aaacaacaaa aaactctgta tctgtttcta gcatgtgctg cattgactct 240  
attaatcaca tttcaaattc accctacatt cctctcctct tcaactagcct ctctgaagggt 300  
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<212> DNA  
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<220>  
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accttccctt ggctctgcat gtggatccaa atcaagcctg ggtgtgtctg acaataccag 180  
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<212> DNA  
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<220>  
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tcaatgagga aaatgttcat tttaaaaggg ccccttatag acatttgctc tttgacgtca 180  
gcactcccca tagagcacac ccagatctaa atggatttcc actaagaaag tctgtttaag 240  
aaacttcatc atgatgttta gcctgtccca gaattcattg ttctcaggga atgacttgag 300  
agcaaagaaa aggaacattc agtgaggcaa gagacagcat ctcccagatg ctgggaagtt 360  
acacattttg tccttccttc ctttgtccca acagttattg agc 403

<210> 565  
<211> 294  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA253455

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tgtcaaaaagc gtgaatgcct gtgggtgtaac gtggaagtat gctgtgggtg aaagacgtag 120  
tcctttcttc ctccagtatg cagcgggcac ctgccacacc tgctgcaagg acctggctct 180  
gcccctaggc catctgtac gccaaaggaga cccaggtctt tccagtttct accaggccct 240  
ttaatgctct atcctgtggc ccaccgtgtt gcaggggactc cagcagctga tgat 294

<210> 566  
<211> 318  
<212> DNA  
<213> Homo sapiens



<220>

<223> Genbank Accession No. AA253459

<400> 566

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aaccagaggt ggaatcttta tttcacaagt ttcaagatac agtacaaaac gattctgtac 60
atctctctat taacaggatt tgtttacaca attatattac acttcaccaa cttttatact 120
gcatttcatt aaatacaaaa tacattttaca aaaagagtct accatgggtg tccttcacaa 180
tgccagctta aggtctttta aaacttcctc ttctacatat ttatagtggg tacatcttga 240
ttatatcaac attatgagtt ttatgagttt attttctaata caaagagaat agtgtcagcc 300
tgtttctcaa accaaata                                     318
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<210> 567

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA253473

<400> 567

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cactggaagc ctgagggggt gttgctgagc ctcagcccca gaaatacaaa aagtctttat 60
ttcacagaaa ttagggccat ttccatagtt atgggggaagg acgtgtgagc aggatgggag 120
gtgctcagct gactgtcttc tccagaaggc tcttctgagc tgagcaggag accccagggc 180
cacagccgag ccccaaccta gacacggtct gagctccaac cttggctggc tatacttcaa 240
gggcgggtag ggccggcatg gggctggagg gagtgcagc                                     278
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<210> 568

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255486

<400> 568

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agtgactcag ttttttattg aataaaatgg cctacagcct gatgacagta atatggccct 60
tgggttttga ggaaaatatc atgttgtagg ttggccaaaa aggagatagc agtccagctg 120
aaatttgctt tcttatactg gctttaaggc agtgattaga aaaggcctaa gaggtggggt 180
ctgtaagggg ttgctggaag gaaagtagga atatggaaag tcatgagaca tatactgtca 240
tctcttcttg cttcctctca agtcacatgc aaattcaggg agagttagta tgaaacacac 300
aatggaaatt tgggc                                         315
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<210> 569

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255546

<400> 569

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gttctcctaa tgaacagatg acttttttagc cctgtttgtt tcaatgggga aaacaatgac 120
aaaaaaaaa aaccccaggc aggcacgaca cttatgtaaa atgaacacag ttagtacaaa 180
accagtaagg catcactttg ggaaggtcag caccgaagag gtcaggcaag gtcgtccag 240
acgggggctt tgggaggag tgaccctcac ccttattgag ctgcgtcatg ttggttctga 300
ggaaaagtgc agtcttttgc aggggtgaccg catcacccca ccggaagctg gggcggggac 360
gctggagggtg ttggtgtgtg ttctaaacct ttcaagacga gaag                                     404
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<210> 570

<211> 396

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255566

<400> 570

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tcacattacc gaaagccaag taatgtggtg tgattactat aattcctaca acaaaacttc 60
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tatcccatgg tccactgtaa tcttttggtc ttcttttttt gcagtacagc agtcctcgtg 180
ctgctatcca ttgagtaggt aaaccaccaa ttcataagggt gccatcataa tggctgtggt 240
tggaatctgt ctactagat gagttgtcag accacgataa agagacccat aaccttcttc 300
ttgaacaagc aaagatagag tctgaaaaaa agatctgtat tttgttcctt cttcacgtag 360
tcttgttctt acaacttcat gtggatatgc tatagt 396
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<210> 571

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255624

<400> 571

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acggaggcgg aaggggccct gcggcgacga cgtcgtcgac gtgggtgtggc cgtgggagct 120
gagcacggag aagactccct ctctcggaag ccggatcccc agccgggcag gatggatcac 180
caccagccgg ggactgggcg ctaccaggtg cttcttaatg aagaggataa ctcagaatca 240
tcgggggggt tttttttttt tacttcaaac ccagcaccgc agattgtgca ggctgcgtct 300
tc 302
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<210> 572

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255878

<400> 572

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aatacttttt ctttaaacia acaaagtttt cttaaaaaaa tgttacagga gaattttttt 120
catcggttct taatacagta caatcctttt gttgaacaaa agtcacactg gcaatgatta 180
tttacagatc caaaatagac tcaggcttca gacataaaaa atttaacatt catctagttc 240
agtgattagt cacagaaatt aaacatctgc ccagatgtac acaatttggt aaaaactaca 300
gcttctctcc acggggagcc cagagcccgt gccgatccgc gctccgctcc cgaggacttc 360
cagggaggagg c 371
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<210> 573

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255903

<400> 573

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aaaaaatact gatattgatg ggtcttgga ttgcaataag tcagtttacc atttaagagg 120
aaaattttaa tattcagtggt aatgaggcac tcaaagggtt gaaatgcgat ttttctttgg 180
tttccaggga cctgtccctg gtctctcact ccaagggttaa gttccaaaac tatacttttt 240
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ggctcacagg gctctctgtg atgctctggt gccagctgtg tactcttgag tggttaggca 300  
gcagttcaca ttagatgtgt aaaattaatt aaacctaaat ctctaggctc aagtccagga 360  
tgtccccaga ctagttcaga aactaagtgc tctctctccc ccttaaa 407

<210> 574  
<211> 179  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256131

<400> 574  
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tgggggtcctt ggggagtctc tgtcccagcc cggacaggca gatctcactt ccagaagagc 120  
acattccaga aaagcagcca gcaggggtag aggcccaggg acagcagtgg gaagagcag 179

<210> 575  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256171

<400> 575  
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gaaaatatac agcaacttgg ggcttataac acatgagcaa agatgacatt aacacgtgca 120  
ctgttcacat cttggggctc agaggtcaag aacaaagatc acagacaaga cgttactaaa 180  
cggaccccctg cagtaggctc cgaattgcag aatcatccaa ttccagcatg gtcagcacgg 240  
agatattcac agaaagaaaac ccagcaaagt cctctctgag ccgctagagt caacaagctt 300  
ttcatacaca ctatggagag cccacgcccc acataaccct tgagaacaca gttccatgtc 360  
ttggctaaca cggctctcac cgctggcctc aacaccctg ggccatgtct cctctgctct 420  
tccatcccca ccacaa 436

<210> 576  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256268

<400> 576  
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atcctacgtg atataagtat atatacaaag aaaaaaacia cattggaata ttacacagct 120  
tgaaggtttg caaagggttat ttgtgtctta gttatttctg cacttaatga cacatcagac 180  
gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taacccaagt 240  
cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300  
taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360  
aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 577  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256273

<400> 577

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cgccggcata ttagttttcc cgcacgcgag ccctgcatgg cgggtgggctg gggagccggg 120  
gcggtgcat tctgccacac gccacgctct actaggcccc cttactccta attaatggcc 180  
tgctcaccag actgtgagaa aataattgcc actataaatt ttcctcctt ctgcata 237

<210> 578

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256341

<400> 578

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aatattcata tattgcacaa acagtgatgt gcatacaaag atgctaacaa cattggctgg 120  
taataggctt taccatgtta cgatctaaat gcttggtcat cagagaatgt acaaaattct 180  
aagtttgga tccaaaagg ggcttacagt tattgaatat tttcccagc cctattttta 240  
atcaaatcca agtttgccca tgacaaagac tgtctataag taacagggca agcatacca 300  
catcaaaatt attcttcttc ttatctcacg tgcccctatt tctcccaagt aagtg 355

<210> 579

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256367

<400> 579

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ttttcccatg gtacacagaa gccacagagg tgccctgaag cacagagcca ttgttggcat 120  
acacggtgct caccctgggc ttctcagaca aaacattctg gatgcgaagt acttctgac 180  
ctggagggtc ctcagggtta tagttcagta gcttcataagg attaggatgg catcctgcca 240  
aaatgtctcc tgtggcagga tcgacagtca gggtatccac taagggtgcc aactgtatca 300  
ccttcagttg agttaaatcc cagttatcat gtttttccat tatgtgaatg gtcctaactg 360  
ctacatcagc tacatagac 379

<210> 580

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256524

<400> 580

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aagcacactt aaaagtaatt tgcatttact tcctgtaaag catttccatt tcacaattag 120  
caaaactaaa aggctatgtc tcttcatgca tttatttttg ttagaaaaat gtcccatgg 180  
gctatcaaac cgattttaac catcatcaag cttaactttg cctctgttga caacatgact 240  
acaaacatga atcaaaaagg agttaaggaa tttta 275

<210> 581

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256606

<400> 581  
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cgaacttctg gttggacagc gtcagatgtc actgaggtga cccagcctgt ttgcagttcc 120  
aagtcttccg tgtaggcgtc actgctactg gaactttgta gatgaggagc ctgtatgatg 180  
atgtcctgaa catttctatc ctttcctcac acagagggaa gctacagaat gaaggggctg 240  
gaaaacgttg gtctgggtcc ttttagagct gattcccat tggatactgc ctggaggcct 300  
tggggatgaa tgagaagttc tgcagtttgg atcagtagca gaagcaggta acacatcagg 360  
gaaccgga 368

<210> 582  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256642

<400> 582  
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taataatgaa gtacaaatag ctctgactct gcattttggac aaggatgaac catgatagat 120  
atttagaaag ggttttaaat catgtgtatg ttggctacag agtaaaagga acagagaaga 180  
ctcaagctat tgtcaggtgt gtatgtgtca tcagcacaca ctgggggagg agagtctca 240  
ctaagtgcc aacccctga tagctgtcag tctctcatga agcaccatga tctggcatgg 300  
actcccaaat gccacttg 318

<210> 583  
<211> 332  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256666

<400> 583  
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agttcataga cctgtctgct tctgaagtag atgatgcctg agtgccccg aggtgggttg 120  
ctggtgcctg ccttgctgct gtgagtcca atggtgcca ccttgctgct gtgagtcca 180  
gtggtgcccc ggacggcct gcagggatgg catcgagtcc actctctgag ccgtgcttgc 240  
cggagtctga gtgggggcac tgtttgtcac ctccccattt ctctgttcat gtgtttctca 300  
ttcttcttcc accaccctgg ggactcagca ag 332

<210> 584  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256688

<400> 584  
atcttgatat tgtttattgt ttacggttat gacacattat atatatacac acacacacat 60  
atgtatatag ttacgtacac acacaccaat ggcactgatt ttggtacaca tcagaattac 120  
ttaagagagt ttgttaaaaa tggagattct ggagccccac tctgtgagtc tggacgatag 180  
gtcctacatt tttaaatgcc cctgcctgcc cccaaggtgt ttttatacag atggtagact 240  
cact 244

<210> 585  
<211> 347  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256990

<400> 585  
gattttttatt tgggttttatt aaaaattttt tcaaagtaat acatgcacaa ggtaaaaaat 60  
taaatagtac agaaggactt aaaaatgaaaa acacagtttc ccatcccacc ctttttaaat 120  
ctaaatccca ttccctagag gtaatgcttt taacaatatt tatttttagat cgtctggtaa 180  
cttttctaact ttaaataata tgtttgagca ataatttctt gacttactga ctttacaaca 240  
tctttaataa ttccccatta caaaagataa ggattttaact tacactatcg ccacttttct 300  
ttgtccatct ctctccaaat gtctgatagt tacatcactt ttaata 347

<210> 586  
<211> 156  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA257057

<400> 586  
gcgaaaaata ttttttaaata aatttttttt tcttacattc tgatatacat atgtaacaag 60  
gtttatggca ctgtaaccag aatcaaatca gaaaaaaaaa aaaaaaagga aaaaggtggg 120  
aaggaaagta tttgatatat tgttgaattc ctttct 156

<210> 587  
<211> 222  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA258131

<400> 587  
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gccatcatta tatattaaaa gagcagaggt aattctgtct tctccgggtg tgcagcacga 120  
tctgctccag ctcgtcatgc cagggcccg aaacacctca ctttctcccg gtacagctgg 180  
tggaactgct tggcaaggca gtggaaagg gcttcgaagt tt 222

<210> 588  
<211> 313  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA258158

<400> 588  
acaagattta ggtttgctct tctgcctctc actaactggt tgagcttgat tacttttgta 60  
aacttcaaata gcagacttct ggttatcatc ttcatggaaa ttcactttat tcaaatagaga 120  
attcagagtt cctgatatt cttctggggt tttgtttaag tgtattcttg gtttgaagcc 180  
atgagttaaa aagtcacaag tatctgtgta tataaattgt aaaagggtatt caaacatgtc 240  
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aatatctgta aat 313

<210> 589  
<211> 446  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA258182

<400> 589  
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 tctgagaggg ctgcagtctt tttaacaata ccatagtgca aaaagactaa tacttattgc 120  
 tgattcagct cacaatatta cccctttcca gacaacagca cattcaaag ttcaagaaaa 180  
 cattttatgg gcacctttta tgggcatttg agattcacag agcaatgggc catggcatgc 240  
 cctcaaggaa cttacaatgt agctggagag acacaaaaca tccaaaacag acatgagggg 300  
 ctggctctac ctccacacct ctatctgaac aaaaacgatt actggcttaa gtctctgtgt 360  
 tgtaacgcat gagccacagg aatatcttag caagtacgca ctttatcaag tttcaatttg 420  
 acatgtcaaa acaaaagttt ttatgt 446

<210> 590  
 <211> 388  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258308

<400> 590  
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 ccctttcaga gatgagggta ggataccaca gacatcagta actgacaagt tataatatca 180  
 acacatgtaa catttggttc attattttat aaccctaaag ggagcaactg caggtgcaga 240  
 agcagtgagt gaactagttt tgtccagaca aggttttctg atgtgctatt actttaaaca 300  
 ccacttttgg aactaaaga tttaaagtga taaagccact aactaacttt attagactag 360  
 tttttacata aataaccaga tttctttg 388

<210> 591  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258323

<400> 591  
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 aaagaaaaat ccaacattta tagctattcc caaggaagag aaaagctaaa ttcaaacaga 180  
 ttatttaaag atacagtcgt tgaaaacgta tgttctaaaa caaaacaaaa caaacctgt 240  
 gaattgcagc ctgaaaggaa agcatgtacc acgttctgga taaatatgaa agcaaagagg 300  
 ccccatggaa acatatccat gcatagccca tgcatttctg tcttctctca ccaaatagca 360  
 ggagcccaa aatatgtatg tgtgggccat aaacatgtta gaactccagt gcattaagaa 420  
 aactgccttt acaaaaggtg gcag 444

<210> 592  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258350

<220>  
 <221> unsure  
 <222> (1)..(431)  
 <223> n = a or c or g or t

<400> 592  
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aatgaggtgt gtgagccctg tccccagcat cctggagggg cggctctatgc tgagagcccc 120
accagcagga ggactgggag gagcagggcc aggacctgta gtgctcgggg aggggtggtg 180
gctgaagcac tggatgaagg ctgggtcatg gatttcctgt tgcagaggta cccctcacag 240
caggagccct ggaggtcgat ggctgtccag gggctggtgg tgcctcgggt ggtgcaggag 300
ggccggtgcn aggttctgat gtacacaggg actgagaaat tgccaactgt cattctgcca 360
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gcgcagtcac c

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<210> 593  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258353

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tgctgtgtcc tcatatggtg gaagggaatc gaagggcaaa aaggaggtaa ttggttcctt 180
tgagcccctt tataaaggca ctaaatccat taatgaggat ggagctctca tgacataatc 240
acctcctaaa gcctcaccta tcacgttggg ggttgcttca acatacgaat ttggtggggg 300
gacattcaga ccttagcata tgtgatctag tagttctgct cctggatatg tatccctaaa 360
ggacctaaga agggacttca agagagatgt gtacacccat gttcatagca ttactc 416

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<210> 594  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258387

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<400> 594
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gaattgagaa tcattaggat cactggacag tgcctggaag aaaggacttc ttatgcctcc 180
ttcctcagca cccttagtga gtggactgag ggcagcagat ggatgagcta agagaggcca 240
aaacagcaat ggtggggggg gcggggcggt ggggtggggg ggcaaggaat actgacagca 300
ggatggtcag gtcccaagggt gctctcccggt atgctaagggt catcattcag cagggtgggca 360
gcttccttat acttattctg gttacgatac accaaagcaa ggatgttgag catgggtggcg 420
acatcagggt ggcacggcct gatgtgcgct ccaggctctc tagtgctgcg ttacagagtg 480
gcacggcacc tcg

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<210> 595  
 <211> 371  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258421

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<400> 595
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cactgcctag gcactttcac aggtatttca tcctaatacct cacaacagcc ctatgaggta 300
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catgggcaat tcctctgccc tgcattctca ggccatgtca ggtagaggta tccattctag 180  
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<212> DNA  
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<220>  
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ctgcttaagt gaaaaatgta atattgcagt cccattttgc aagctgaaaa atgattttgt 180  
caacacgcat aaaatctgca catttatata ctgcatgtta ttaaaaaatt ccattactaa 240  
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<220>  
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ccgctcggct tgctgagcgt ttaaacaat gtttagacag gctgtgggga ctcccagatt 180  
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<212> DNA  
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<220>  
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<212> DNA  
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<220>  
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gaacagtctg ggcttcccag aacagaaaag tgcttttcctt cctgggggaa tcccatctct 180  
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tatgcgaatc tgatgatttg gattcatcta ggggtgccaag tgaattttca ttgaccttac 180  
tagaaggcag atcactagtg tgtggaatga aatcatcagg tttctcccat ccgggatccc 240  
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aataaaaaatt ttcaaagcat ctacagggcc aaagagctaa gcaggacct cactcagaca 180  
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ctgtgtcata atggaaacag catatttaga gaaaaatagt atttcgtgtg ctgtctgctt 180  
gagtaatcaa tctggagatg caagttaacc gaagtgcac tgccaagcca tcagcgtgag 240

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aaaaaaaaac caccagaagt tgcctccaga taacgatgta gtggcagcat gataactggc 300
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<210> 604
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<220>
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attttgaaag taaagctctt ttcacatttt ccaacgtacc aatattttcc tacatgcctt 240
ggtttccttt taactaataa gtaaagggtg aatttagttg ctttacttaa aattaccagc 300
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<220>
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tgtactaaaa atacaaagtt tgtgaatcta aggtacagaa aacactttat acttcagtca 180
cccaaaacaa cagcttgtgg tctcctccaa ttacacacag agggagagtt cgatgccagg 240
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<210> 606
<211> 407
<212> DNA
<213> Homo sapiens

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<220>
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ctctcatctc ccctcaaatt cccagtggtc ctggggcaaaa aatatcttgg tctttgcca 180
ggtagactca gccttgtcag caggcctgtc ctgtgttctc aggggaggcc tttacccaag 240
gccacaacaa cagcaggaat cccagtaag acaccacctt gacggcaggg aaggctggat 300
cttttcacag ggcagaactg atttgatgag gtgaacagta aggtgagcag aggtgggaaa 360
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 tgctttataa tataaaaagaa aaaatcaaac aaactagcat attagaacca cttttggtaa 180  
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 gggtctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca 180  
 gctgctagag gctgggtgct gactccaggc cgcgttccag gaaatatcgg tgggaagaac 240  
 ggggacgggc ttgggacctt tcattgagga agtaggatgt gatcttccctg agtccctcct 300  
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<220>  
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 aaactgcact tcccctctta agtaaaacga aatgagtttc ttaggtaaat gtattcatca 180  
 gccagataa aaaaaaaacc agttatgtga gcgttagtca ctgctcattt ccaggaagat 240  
 caaacaaaaat accagcccag ccagactcac atgtgtgtat atatatataa agcaaagagc 300  
 cacaccaca agccagcagc tgggtgaaat atcagctgtc cagccgtgg tatgccaat 360  
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<220>  
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 gcaggctctg agtgggccag gctaggccaa gagagaaggc acgaggccct gggcgcccca 180  
 gtcccagggc agaggccagg cctgcctgga gaaggcagca cggggtcagc tctcaggggt 240  
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 agtggggaga agaccccgat cgctggggggg tccactctgg gggctctgcg ggccaggcct 180  
 aggatagggc gggggctgct gtgatccgag agctccctga cgccccaacc ttccccgaac 240  
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<220>  
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<210> 613  
 <211> 281  
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 tgctgcttct tgggtggcgc cttgctggcg aggtccttgg ccttctctgt agctgccagt 180  
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<220>  
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gcagacagca gctcagctga ttctgaaggc catctccagt tacttcgtgt ctacaatgtc 180  
ctcttccatc aaaacgggtg acttcgtgct ttttgacagc gagagtatag gcacttatgt 240  
gcaggaaatg gccaagctgg acgccaacta ggctgagcaa tgacagaacc agctgcacca 300  
tgtacccac cttcagttta aaaaaaaaaa aaaaaccttg ggggttcttt tggggccgcc 360  
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<220>  
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<220>  
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<212> DNA  
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<220>

<223> Genbank Accession No. AA278824

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<211> 363

<212> DNA

<213> Homo sapiens

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<211> 381

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA278853

<400> 621

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aattaatggc aaacccatag taaccttaata aagctatttt aacatgtgct aaataattct 300
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<213> Homo sapiens

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<223> Genbank Accession No. AA279112

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<220>  
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 <211> 355  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA279177

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 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA279341

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<210> 626  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 accagggtct cctcccgaag agcagttcag agggcgtgac tccatacggg cagggcggct 240  
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<210> 627  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA279533

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 ataaggctca tgtcatagtt cagcaccaaa aagatctaca caaaactgtt taaccaatct 180  
 tcttatctat cctgtgtgat agttttgttt gttgttggtt ttttaaggtaa aagtcctact 240  
 tcagaccttg aagtggaata cttctagtca gactaggtaa aaacttgggt cataccttat 300  
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 catgaattta ggttgctcagc ctctatgttg aattttataac actgaagcat cagaaatagc 420  
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 <213> Homo sapiens

<220>  
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 tatttgtcag tcactatata caatattata aaaaatgccg cagacagtac aaattaaggc 180  
 ccttatttct cacaaggcat cacaagcctc gatcctctag tgtacgacct ggtgggagag 240  
 aagatgccac ttaaattatt gcaccatttt gaaaaacaaa actcgggtcaa ggaggatcgt 300  
 ggtcttttcc caccgggcct tcagtcacag acgggggctg ggggtgggtggc gtcgtcgtcg 360  
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<210> 629  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 cccatcggtc tgaacagggg tcaacttaact tatctccttt actccatttt tctccactag 180  
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 tgccccttcc tttaatcttc cgtccagact ttgatacaga tggtttctga tcaattacaa 360  
 tgggtgcaac atcaggaatc ttcggttcag gttctgcagt aacaacaggc atatctcttc 420  
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<210> 630  
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 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA279676

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aggcccttga agactgtagt ttaaattcaa ctggaaagtg gtcgctgaca tccagggcct 180
ccttttcagt cagcttgtaa gctttctgga agtcaaaaac actggttgac ttgggaacaa 240
cagaactgac gattttcttgt cctctaagca caatcctgtc atatgcacag ttggtgctct 300
tcttcaccgt ggtgtcctct tgggtcccgga tcagccaaac aaacctgggg tcagtccctca 360
agcggtatgtt cttccaggcc ttcttgggga cg 392
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<210> 631

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279802

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gccacccac tgcaaagggt ccagccagt gggcaccaac ctcaggaaga cgtgggtcccc 180
acctggagct tccctcggct gccctggccc ttgagcccgt cctgaggatt tgtgctttga 240
ctctgacagg gagcagcagg aagc 264
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<210> 632

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279840

<400> 632

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gtgagtccat cgcccagggg caggaggtg atgtagacc tgacgtcccg ccggatgcgt 180
tcgttttagt ttgcacaca ctggccgccc acgtcccctt tcggaggttg cagcaccttc 240
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cgctcgtagt aaggcgaggc agttct 326
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<210> 633

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279916

<400> 633

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ggcgcacacc actacaccaa gctaattttg tctatgttgc ccaggttggt ctcgaaactcc 180
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cagacctaaa ccctaatttc tttatgtttt gtaataaaga gtgccacttc ttactagtga 300
caatgggtata taatctttat aactagattt tattattttc tattgttttg aagacagagt 360
gatttcccat catttttggg gtttaatgtt cttatcttaa tctgcatta 409
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<210> 634

<211> 458

<212> DNA  
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<220>

<223> Genbank Accession No. AA279937

<400> 634

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gaaataaatt tcttcaatct gaatttcagc tatctttttt tattctccat gctttctatc 180
caaactgaac aatattttct gttatacaaa ttacatgag aaaaactcca aagtacaaat 240
gaagggacct gagcaggaaa gagaaccaa gtatcaggaa gtgggtatgg gggagaatta 300
aaaaaaataa taaaagattc aagcaaacat tgagaatagg ggaaaagagg gagacatcat 360
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actccattgt aattttttgca aagcagggtat agagaggt 458
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<210> 635

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279943

<400> 635

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tacaaacagt ctttaccaca attttcccat ggtcttatcc ttcaaaataa aattccacac 180
actatcaaac taaatcaaga tttgctagtg gataaaatta ccataaatat accgtactct 240
ctctgaaaca gctacaaaca tcttgttttt gcaaaatata caatgtttct caatctttct 300
gtccttatct caatttgcaa aaatatattg aaacaatctc ctttaaagt tattcttggt 360
aatgagggca aatcttttaa aatccacatg ctagatcttg aaaacgcttg agaagaaaat 420
aaactgtgaa aggagtgggt atttaaatat ttc 453
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<210> 636

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA280130

<400> 636

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gcaatatgat tacatacgaa gaatgcaaaa tgcaggtatg gatgccttcc aagcaacacc 180
aagtccttag agttcggctg atcgcgcctg cctccacact gtttcttttag gtttacctga 240
acataacaga acatcacgtt ctttctcctt tatggttctc cctttctatt catgatattg 300
gcagtttcat acagaaaata c 321
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<210> 637

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA280283

<400> 637

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cggccctgga cagcgacggc gagcccgcc aggggcccgt ttgcaacttc aatgccaaagc 120
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tcacgtctgg	ctgcgaccgt	ggcaggetgt	ggcatccccg	acagcggccg	gtggcggagg	180
tatgggggcg	ggtggcaccg	ctcactcgag	attcacagaa	catggcaagc	ccgcctgact	240
ggcatggcag	tgaatcgtcc	tgtacagctt	catttcaaga	aaacagttaa	cagtaggagt	300
tcaaagt						307

<210> 638  
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<220>  
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gcaagggtgc	cccgggtggg	tctgacgccc	agctggcgtc	ctgggagcct	ggggtggagt	180
ccatggaggg	agagcgaacg	gggaatgttg	gagggggcc			219

<210> 639  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 639						
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ctgcctgcgg	tgagggccca	gggtcctcca	cggagaggac	aggcatcttc	ctttcccacc	180
aggaaggagt	cagcctggag	cctctgctat	gtgcaaggcg	gtgtgcaagc	acggctgcgg	240
ctctttgctg	tctcttcttt	ctctttgggg	ctgggctggg	tgtgcgttct	ggtgctgatg	300
ctttggcctg	tgaggctgag	ctagagaagt	gtagatgtta	gatgtgccag	taccatcctg	360
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<210> 640  
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<220>  
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ccaacgtgca	atgccacgac	ttcaaagaca	atttggggca	agtgtacatg	aaatgagaaa	180
acagctctcc	aagtttcaaa	tcctcctctt	acattattta	taggacactg	aggatcatatt	240
tacttcttgg	ttaagatggt	gcactgtcat	ttcattatca	gtctacctca	caatgtacat	300
taccagatgc	caatttgagg	aactacagag	ataaaacttt	agtactttct	taatgggctg	360
aataaattaa	ttacaattaa	gtttgcttta	catcctgttg	aggacctctt	tgcagcccca	420
ggacctaaca	atatctggca	ggctc				445

<210> 641  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA280840

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 tacacttggg aaagcaaaaa ctagactcac agccaccgcc ctgggacggc ccaagctgct 180  
 ccactctgcc cggcagcctc cagggcaccc cactgggaac cgcccgccag tccagggccg 240  
 cccccaggcc cctgcaatat acctgcaggg ctggggccgtg gggctttaag gcgttttgtc 300  
 tccggctgct tgccggatgt cggagcagag aggcaggaag ctccgtgccc acgcgccccca 360  
 cgcggcaggg ct 372

<210> 642  
 <211> 333  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA280928

<400> 642  
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 aatacttcag atagagcaag aaagcattca cagcaaggcc tataatcagt aagatgtgtg 180  
 aaaagtggg tagccacagg aggtgttcat taaggatatg attccattta tatagctatt 240  
 tctattgcat aaccaggaca gttttattgt tttgaggtca atgttctttt aaaatttgat 300  
 tttctgtaag aagaggcttt ttggcccaga aag 333

<210> 643  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA281214

<400> 643  
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 gccacaggtg gctcaacacc cagtgcctgt ctgcgcggag ggctgtactg aaggttctga 180  
 aggccctggg agtccccctc acggccagaa ggagagaccc ggcttcggct tcatggccgg 240  
 cctcccgag gtgtctgccc agctcctctg catcccagcg cccttgctgg aggctagcca 300  
 agaggtggc aacaatacgt ggatagaagg gaggggagac acacttcacc agcagcttgg 360  
 catccaggag cagggaaga agt 383

<210> 644  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA281440

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 ttcacagtac cttatagtaa ttctttttcac gagtcttaac atttctttgt acaacaggca 180  
 aatagtttta taccttccat caagacattt cagagctcta gacgtttaga aataaggcca 240  
 agaattctct tcaaatgcaa tcattagttt gtattaaact aaaatgccag acggcaagtc 300  
 tcaggtttct aaaatagttt taaaaaacag gtttacagcc catagtaagt cttagaaacc 360  
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<210> 645

<211> 392  
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<220>  
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atttaccaaa tactcattag tgtattttta cattgactat atgaacatgt gctcgcgact 180  
gctaataagt tataattggg ttaatctcta agaaatccat attgcaaatg gttcttggtt 240  
agaaaaattc acacagcctt aaaaatggat taaatccatt ttaatcctaa tctacaaata 300  
gatcataaac agcaaaatat aactgataat ttttcaatac tgtatcaaac tgatgtagct 360  
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<212> DNA  
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<220>  
<223> Genbank Accession No. AA281591

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ccaaaaaaac aaacatcatt cttagcaaca tcaattactc ttccacacaa aacagaaacc 180  
ttgtaaaatt tattttcgta tttttaaggc gtaatacttc cgtataaagt atatgcaaga 240  
gataaaactt cacagtattc caaaatgtca caataataat aataatataa tagtataatg 300  
aagcgctaca gttaattttt ctttttttga atgttttttt tctgttttaa ataacaaata 360  
caagt 365

<210> 647  
<211> 369  
<212> DNA  
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<220>  
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gtagacaatt ctttgaggaa cagtaaatga ttattagaga gaaggaatgg accaaggaga 180  
cagaaattaa cttgtaaatg attctctttg gaatctgaat gagatcaaga ggccagcttt 240  
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<211> 319  
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<220>  
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tataagagtt acttttttga taagatttat taatctcagt tacctactat tctgacattt 180  
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gatgctgagc atgttctgca ctggtgctaa tgtctaatat aattttatat ttacacacat 300  
acgtgctacc cagagatta 319

<210> 649

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA281770

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taaaataaat tttagatttg gaaagggaaat tggcaaaaact aacattcttt gtagcaaaat 180  
gtcccttagt aatagtcaag ttgacctcat ttcagtagtt cataaaggaa aatccaaagc 240  
cctcagcagt gaattacctg gccacatagc tgattttggg cactgtgaat gcagaccaat 300  
cacctagtac tggaagctca cagtggtaga catcactatc acagtacttt acggtcacatgg 360  
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<210> 650

<211> 305

<212> DNA

<213> Homo sapiens

<220>

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accccagcac tggggtcctg gagacagtc cagccgggct gagggagggg aatggcagcc 240  
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA281930

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agggcgcgga gaggagagag gtagaggagg acgggctggc cgagaagcag tgtttcaggg 180  
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<211> 327

<212> DNA

<213> Homo sapiens

<220>

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 acacgcttaa gatcaccaca gcataactgc agatttcagg aattacagtc atagagggta 180  
 catcaacttg aagagtagat tgagtcttac aggaagttag ttacaataag taacattaag 240  
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<220>  
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 tttattttct tttttgacat ggagtctcgc tctgtcgcgc aggctgatgt tatatcacc 240  
 acctaaacgt ttattaaata gggaaataag tttctatttt gttttagcca cctgtttatg 300  
 gcagctaaac ccatactctc aataaatttg tttggagaag cagggaagt aatgacaata 360  
 aacaagctcc caaacaaga ctttttatat agttaaaact gcttgtaaga g 411

<210> 654  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA282149

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 accttgcca gtatttggtg gcctttccag agcacagggt gaaaggctaa agggctaggg 180  
 ctggggtggg gggagcagga gggcatggca gctgctggct ctgtcctccc agcctgggtc 240  
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 aaag 304

<210> 655  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA282179

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 ttgtacttca gatgaaaaat ccttacatgc ggaatcaatg tcttttaaaa ttacagataa 180  
 agaattttca tttgaggaga catacaattg taagtgtctc ttttttgtca attttaagac 240  
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 <212> DNA  
 <213> Homo sapiens



<220>  
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<220>  
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gggggacact gtgatgggtg tcttaagctc atagagtggc aggttgctctg aaatgccacc 300  
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<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA282247

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aaccagttc tatttgatta actatgaata gcaaagtttt gtgacttggt actcacttaa 180  
atcaccatc tgaaattcat ttacaagggt ttacatttaa taaaacagta gtgtggtaca 240  
tgtattggac tcagatgaag tctaaagtac actggactct agagagtggg ttacatacca 300  
acgaccaaga ttcaagtgtt tggggaaaaa aataccttag acagtctatg ttggcgtcaa 360  
cactaaaata aaagg 375

<210> 658  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA282343

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gaacatacaa atgtttcttt tatcatgtct acagtaattg tctatgcttt tccatttaac 180  
tgttggttaa aattccacat atccccatta tttcttctgt cccagttaca gtacaatgac 240  
ggggaggaag aggggttggg aaagcatccc tctaagcagt tttctgctgt ccttctttc 300  
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gagaatccac tcttcatcac cacga 385

<210> 659  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA282505

<400> 659  
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gctggtggcc cagttggctg ggggcaaggc caggggtcac ctcaggtcga caggtcctgc 180
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gaggccagct ccagggatct ggcttgggtt gggcaggcag aattcaagaa ttcatttca 300
acaagcgagt gacagcagag gctccgggag atgggcacaa tgtccgactc ccacagacag 360
acagcagggg actggcagag aaagcccatc tctgcacgga 400

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<210> 660

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282516

<400> 660

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gcgtgggaag acctcctgct caccagtgtg ggcagagtgt agcgtggcct gggctcctaa 120
tacaggtaaa ttgtctccaa aggactagta aaggtagctg ggtcatcctc ctgccccagg 180
gacactgatt agagaaaatc cgtctgtgct ggcaatacgg cagtgtctga cactcggaa 240
tcccttgaa gcaaaagcaa ggaacagagc gtgattaggt actggacacc tgccaagtgc 300
tgggctctct ccagtttaca gatgaggaaa ctgaggctcc tcgagttgga gctgggatgc 360
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<210> 661

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282541

<400> 661

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tgcttgga aaactccactcc ctttttaggg tcacttcttc tcagaggatg tgtctaactc 120
tctgcctttc atgcataata aaggccctgt catctattct cccagagatc ttgatatctt 180
tttataacat caccaacatt atatactga tactcttcat agcagactgc atgctccatg 240
aaggtaggaa taatcatctt tacaacatca gtgccttctc agtgaatggc cataaaagt 300
cagtgaagtga atgcttaata acttgaagtg aaaggagata aaaaaatcat agtaactcag 360
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<210> 662

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282571

<400> 662

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gacaagtaca cggtggtaaa tgtatagctc aataaatcta atgaaataaa cacaccaatg 120
taacagatca agaaagagga cattactagc ttccagatgc cctatcatgt ggcttccag 180
tttagttccc tcaaggataa tgaatattct gactattaat gtcatagatc agttttatct 240
tcttttgaa tttatgtaag tggaatcttt tctgtctggt caatatcatg tttccgagat 300
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<210> 663

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282886

<400> 663

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aaaaaggat tataagaata atatttcatt tctgaggtaa ggaaattatc atctagtatg 120
tttttatata acctactatt cacaatgaca tgtagaattc tctctgttat tcaacatatg 180
ttcttggtct tcaaaatctg caatatctgt agtctgattc ttggagactg gctcaccgca 240
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ttagctagtt tattc 315
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<210> 664

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282956

<400> 664

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catggaggtc tgtgagtctg ctgtgcatga gcccctccac atcgaggcag aggatccgga 180
cctggagccg ttctctgacc catttacatt tgaattggac aatacctggg gaaatgcgga 240
ggacacatgg aagttgggga gaaattgggg tcaatcagtt gaacttttaa ccttgagaag 300
cctgccacgt ggta 314
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<210> 665

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282971

<400> 665

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tgtcctccct ggtccatctc tggtagaggac ggctgggagt gggctctgtg gctgctagca 180
gggggcaggg aggagctggg actgtgggtc gtccctggccc gtgggg 226
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<210> 666

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283066

<400> 666

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tagttctgtt gtgatgcttt cttcaacatt tatattattt cttaccattt tatcatcact 180
ccaagcttgc taaacaaaga atctctctgt taagtgaagt ttacatttaa ggaaatactc 240
cactagcaca ctgaacaaac ctacagaact gtcctagttt atatttacia aacacaagaa 300
gtctgtccag ccattttggt tttgttgta cactgtccat actgagatca gcagagagct 360
aagtaataca caagattacg cttcggcagt gcaaaggatg gcatcaac 408
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<210> 667

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283085

<400> 667

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actatataat tggactgcaa aatgcttgat atgaagtatg taaaaaaata agcagtttat 180
tataccttac aaccttataa agggttgcta tctagtacaa agataacatt tatcttataa 240
caaaaaatttg atagtttttaa aggttagtat tgtgtagggt attttcctaaa agactaaaga 300
gataactcag gtaaaaaagt agaaatgtat aaaacaccat cagacagggt tttaaaaaac 360
aacatattac aaaattagac aa 382
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<210> 668

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283182

<400> 668

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atgaaaccaa aaaaaagcct gaatcaaaac ctttttagga gtagttacag atattatagg 120
gatgggggag gggggcacta aaacaaaaga gaaaagcacc agtgagatgt ctttccctatt 180
ttcttctctc cgccacggaa cacgcacacc aacagagccc aggccacttt ttgccctctt 240
cccttgga aaaggagga 258
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<210> 669

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283711

<400> 669

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gggaggggac aggagaggtt ggggtcacgg tggaaggagg aagagagccc actacagccg 180
ccgcagcgcc cgcttcttgt ccgtcttttt cttggccgcc agcttcttat cgcgctcgcc 240
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ggtggaggaa gcttcagtgc cactggccag ggctcgaccg gcttcggccc tgccgctggg 360
cccgcggcg cccacagtgg atctctgtga gcagacgggc ccgagctgca tactcctcgt 420
agttctccaa gagcaggcgg cccgcttctt cgttgagtgc agactcgggg ttagggtgga 480
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<210> 670

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283758

<400> 670

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tatttttttt cttaaaaagc agtatttctt acaggaatct tactgatcac acggtagtta 180
caataatgtc agatatgatg tatacagtct aaacgagaca gtccagttaa gaatatacat 240
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aatgtaaaaa tacacatatt aaaagtttagc caagtggaca gacgcatgcg ggggtggggg 300  
gagcaggtga caggaactcc ttttaacaatc agtagagggc ccagatgcaa agaactctgg 360  
tttccccgtt acagtaaaaca gottttcacta acgtatacag gtatttcata cacatctaaa 420  
cacacaaggg taagttgtga cctgctacac ata 453

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<211> 334  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA283759

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gcgagatttc ctgacgaccc acagccacct tttatgaggc cagagacttt acacaccaca 180  
ctccccacct ccattccagtc aaggctctgc gatggaacag ctgatattct taggctagag 240  
gactccattc tgtgtagggg ctcatctcca tctcagctcc agaacacgga ggacctgaag 300  
attactcacg gattcctcct tcaggcaggg ctct 334

<210> 672  
<211> 297  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA283832

<400> 672  
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aaacttgcaa aaaatattatg aaactagtca ataccttgaa caaagaaaaa cacaataaac 120  
taagtaataa ttacaattgt gtactccaaa ccaaaaaaag cagagaccgt cattacaagc 180  
caaatctttt ttagagttgg ttgttgacagg ttactaaaat gcgtaaaaca aaatctctac 240  
ttttcagact tacagaaaag aaataactcc aataagaaag ctaacttaag gtttcat 297

<210> 673  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA284153

<400> 673  
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ggtaccataa taaatcacac actcacacat ccatattgct taggttgaag agaacggaat 180  
gaacagagga aatttcttcc atgaattgcc ctcccttcgg taccgcccac gtttttagtta 240  
cc 242

<210> 674  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA284558

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tgacagcggg cctcaaactt gggatgacac cacaggctga aggttcctct gtagtgctcc 240  
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tcagaactgt ctctgaccag gaaagaacca tctggtttcc ctttcagctt catctctgca 360  
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<210> 675

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284565

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aaagacaaaag taaacattaa acacaaaatt gcaattacaa acattttaat aaaatggaat 180  
gagctttttaa attgaagcta atatgaagtc taattctcat ggacagcaaa aaaaaaaa 238

<210> 676

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284720

<400> 676

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ctaccactg cctttgcctg cccgggggtga gggagcccct ctgctccacc catgcccccc 180  
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tccaagaaaa agaagaaaaa cccttccccac agccctaata aataacagaa ggggttgagg 300  
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<210> 677

<211> 225

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284721

<400> 677

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ggcctgtgtc ctgagccctc agccagatcc aggggggtgc gtgtctggtc atgtccactc 180  
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<210> 678

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284795

<400> 678

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gccattatgt aggtgagggc caccagcacc gtcaggagta ggcccgtggg cgtggcggtgc 360
atgatggccc agccaggtag ttggctgtgc ttccccagta catgggggtg tccaggatgt 420
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<210> 679

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284879

<400> 679

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ttgttttttc gtttacatgt tgggacactc ccatttttct ggtttccttg aataaacttc 240
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ctccggttgg gtttggccta aaatttttgc ggaagaacct ggggtgggcca tttcaaacca 360
agtggatccc tcctgaaaag aaaagttccc ttactaactg cttctgagcc ctctttaaag 420
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<210> 680

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284945

<400> 680

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cattaagtag tagtagaat acggtgaggt cctgagactg gcctgggtgag cgaggaaagg 180
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ggccgtatca ggggtacaacc gcagcagtg cagggggttc ctcaaggaca aatggctaaa 360
aatgtcacgg tgaaaatgtc atccccaagg agttcgttct ccctagacct gtggggggcaa 420
c

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<210> 681

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA285053

<400> 681

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caaaagtga ctcctaataa atactgaatt agagatttct tctacaagtc tgtgagttta 240
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atatgttaac taaaatatgt attgttcaca gggtactaat ccatttcaaa gtgtagattt 360
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gggat

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<210> 682  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA285132

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 caagagtttc aaaacataca agagacatat aatgtaaaaa aaaattatat atatgaagtc 180  
 caatgtaatt tataatacaa aaaaatacag caagggaaaa tgcttttagaa atgctcatct 240  
 gcaaactaca aaacaaaatc ctctctttga ccgactgcat gaactgccat gaaatttgca 300  
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<210> 683  
 <211> 310  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA286710

<400> 683  
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 cttctgccta taatgatata agatgaatcc actttatggt atcacaaatgt gctgtatatt 180  
 ctaaccaaac acaggatgtc agatgtgtcc ttgttaatat actcgcaagt tcctctagct 240  
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<210> 684  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA286911

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 gaaccttaaa acacaaagta gtagactggg tagacatagg gacaatacag ctcatcattt 180  
 catttttgac atgttgact tcaccatgca agtaaatata tgcatatatg atattttggt 240  
 ttgttttgag aaagggtctt actgtgttac ccaggctgga atgcagtggc aatgatcttg 300  
 gctcacagca aattctgtct cctgggctca agtgatcctc ccacccagc ctcccaagta 360  
 ggtgggacta agatgcatac ctctatgctc agctaatttt taaacttttt tttgtagaga 420  
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<210> 685  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA287022

<400> 685  
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 tgaaagatgc tgttgttcct gtggaaacca tcaccagagg taggaagggc tttgagccca 180  
 aaaggaaaca agagggcgtg aatccaggcc atcctcaggg gaggggtggga gcccatccca 240  
 ggcagagagg cctaagcctc agtgtggggc aaggctcaaa ggtgctggca caaggcttcc 300  
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<210> 686

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287122

<400> 686

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 gggaattcct taagtgttac agaaagattt agtagaaatg ttaccagtgg tatggctgaa 180  
 agaattatttc ggtgaagtgc tgttatatcc tgaaaaccaa gagtgaaatg tagttcccat 240  
 acaagtggag agttagtctc ttaactacag tatttgttga actgatatct tcatgtcttg 300  
 gatattggtg atttttgttt tttaattaaa caaagcattt aagattttatt catcatagtc 360  
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<210> 687

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287347

<400> 687

tttttttttt ttttttaaat ttaagacagt tacatgtctt tattacataa acatcataat 60  
 atttctcata ggagttggtc ttcagtttgc ttgttgcttt cgcagaatgt caaatatcta 120  
 tagaaaatgt ctaattattt atgaacaaac attcccatcc ctgccccgca aaaaatctca 180  
 ttgcctgcaa ttcctaacca gattcctgag aaaaataata ggatttattt tatagcatca 240  
 tacatagatt ttctttcaag atataaaaaa ggacagactt ctaaaacatg aatctccttt 300  
 cgttttacaaa gttctataaa aatacattaa gtatgtttcaa atgtttgttc tttcacttta 360  
 tattccagtt taccagaaac aaaaaatggc agtacataag gatatg 406

<210> 688

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287393

<400> 688

ggaagttaga aaagtctctt tttaagtttt taaattaaaa tttcgccctg gtgagatggg 60  
 attctgattc gggaactaaa cccaaaggca ggctctccac tttggacctg gacacgcagc 120  
 gggagggggc gggcgcccag ggcagtcaag tcccctgctg ggcagagcgt ggcgctttga 180  
 ccaaagtcag ctctcagtg ccacatcagc cctgcacatt cagcaggaga caggggtgat 240  
 gagctatggg gccacaacca gcaatcagag gtggggaaga ggccatgggg agagagccct 300  
 gataccaaga ggccttcca c 321

<210> 689

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287550

<400> 689

```
tggggggtttt taaggtgccc catgttcttt ttagtttcca tacatcgtct gtcccagagt 60
gaggagaagt tgatctcctt cccacatcca cgggaggctg cgtgagggaa gcctgggtcc 120
ccacaacttg ctccttctcc agccctgccc ctctcaatta aaacaatgct ttcttttttc 180
ttttcttttt tttgagacgg agtcttgctc tgtcacccgg gctggagtgc agtggcgcca 240
tcttggtcca ctgcaagctc cgccctctgg gttcacacca ttctccagcc tcagcctccc 300
aagctgctgg gactacaggc gccaccacc acgccaagct aattttttgt attttttttag 360
tagagacagg gtttcaactgt gttagccagg atggtctcaa tctcccaacc ttgtgatcca 420
ccccac 425
```

<210> 690

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287566

<400> 690

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tttttttttt tttttttttt ttgcagcaga aaaagagttt aataatcaca atgccattgg 60
gcaaagagat gaaggaatcc tcaagcttca catctgtctg cttgaggggt tctgggccag 120
ggtttttaag gggattgtgg cgggtgaggt tctggagaat tggggttgtc aattgtctag 180
gtcaaggaag attaaatcat catgatgtga aaacttcatt cttctgtgag tcggctcctt 240
gctgggacct tcagatcaac tggcatcaac aattttatca gtatgcgtaa cataaaggag 300
aaactcaaac agaaagcata tcatctcatg tgccttagat cttatctata gaaaagaaaa 360
ggaacacagt cttgtgacaa gggctacact atcttggggg agtaagaagt aactagctac 420
aaggaagtag gccaaattgg gaagtggatt tcatgattgc cactgattat tctgcaagcc 480
tagttgaatt 490
```

<210> 691

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA290594

<400> 691

```
gtaacttttt tgtttttctt tctgcttcat tatgaagata actacaggaa tatataacat 60
tagttcctgt tttccaccct gtgaatttac ctgaattcat agaatccttg cgtgctttta 120
gcaaaaaatg tattttgtat tgaaattgat tcttatctca attccagaca cctatacagt 180
gctggagaca cctaccctac accacgaaat gccagacagt aattcctaga tcaaagtaaa 240
tgatctaaag catgcatcac atctgatctg gaagtggctc agaaacaggt gtgttgcatc 300
ttctgtagct gtaaataagag attctggaag ggtgatactg tttccttttc agggtaaata 360
accatactt gttatgccat caagccaagc agcaaatgaa taatgtcatg aaaatattat 420
tagaacaat taacaaatta caattacaat tatcaaatta acaattagaa tatagtagca 480
ccatcattct aaaaatttaa atttg 505
```

<210> 692

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA290674

<400> 692

```

cttggcccta ggcggaaggt ggcttttatt tcctctcttg gggaaggagg gggagggagc 60
tttcccaagc acatcaacct aaggaagggg tggttgcgcc cccagcagcg aggggatgga 120
actgctgac attcggaagg aagggttcgt tcttgccac ttcctggccc ttggctgcag 180
ggtgtgctgg caggggtcac tcccctatgg gtggcagctc ctgcatcagt ggaggcacia 240
ggaggtatct gctgggtgtc acgaagagga gggggcaggt gccatgagtg agggagaaag 300
ggctgggggtg tccgaccca cgccaacgcc tgcccagtat gatcacttc ataaggcctg 360
gctgggtgga ctcct 375

```

<210> 693

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA290776

<400> 693

```

ggaagtattg aaagaggctt ttaatgaaaa tactgtacag tttatgtgag gcaaaggcag 60
ggggccttgt ccaggaaggg aagaggccca agaggcttcc tgtccccttg gggcaggcag 120
agccaaatgc ttgggctcgg gccaaagctgc ctgcccctgca ggggccaggg aggtcctgat 180
gagtcctgcc cttccccttc cagagggcct gcctggcagc cagcagcagg gtgttt 236

```

<210> 694

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291137

<400> 694

```

ctgtggatga tcaattttta tacaattata cattcatgct gtggtggtaa caactttcac 60
attatttgta ggactacttt tctcaactca tgacaaaggc acaatccaaa agtataaatt 120
aacattacaa taagttttaa acaaagtggg acaaaggacc aatctgaagt attaaacaga 180
aaacatctga atatggatca acttgaatat attttcattc cagaaaatat tttgtctttt 240
caacactgtc tcattttgct atgatggcag ttttgtgtac ctggtgactt actcttaata 300
cccattcaac atgtaacaat tataattaag cattcacata ctggatagac a 351

```

<210> 695

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291139

<400> 695

```

tttttttttt tttttttaac aattttacat tgacttttat ttaataaaaac cacctattta 60
caattcaaaa aagtcctact ttgatacact ttactaaata aaattaaagg ttaactgtac 120
aagcaattaa aacatgatat gtagcaagtg ttatcaggag ttttcagcaa actatttaaa 180
atagtcaaaa actgagcagt taaaaagtac cttctgaagt gaatgccgtt tctaaatggg 240
atcccaatgc ctggcgggag aggcagcctc actctactgt gcaggctgga caaagggtccc 300
ggccctgaag tcttagactg tgagagtcaa cggcatgtga agtggagtgt gcagacctct 360
ggaggagcag cacgtcaatg tctcatttcc agtttactta aaccacac 408

```

<210> 696

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291168

<400> 696

```
ttttttgaaa ggtaagtacc attttattta gtgttgtagg aaatgttggg ttactttcta 60
aaaacgaaac caaagaaatt caaaagtccc aaagaaagaa agcaggaaat aataattcta 120
taatccaaaa acgttgggcg atccttcagt tggagggaaga gggcgtcagt taagtagctc 180
acacagtaga tatggagaca ccatatggag atacggagtt aagtttggtg gatactagga 240
attaagttct ccacctaagg caattaattt ttcagccttg agagataatt agtagttcta 300
gaaaaagaaa aaaagttgac tgggaga 327
```

<210> 697

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291259

<400> 697

```
gttttagttc agtttatttt ttaatatgtc ctgagttctt tctgttcata aaattatgat 60
cttatgacag ctgtaacttt taattaataa tattaacaaa tcattattga tataggcttt 120
tcaatttgct caagattagg aattgtaagt ggaatgaagc agcacttcca gttgacaaat 180
ggatccaaag gtaatccaat gtctttttaa ttaagcttgt gacaattaaa ccaatacact 240
gtagcaatga gaaaactatt gacaaagtat aaccagggaa tattcatctc aatatatgc 299
```

<210> 698

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291293

<400> 698

```
caagatagag gggtttttatt gaaagtaggt tatgcaaact tggcttgaaa ggtacttata 60
attttaaaaa ttatgcctaa tgatgcatca aatacaaaaa catataatac atcaatagtc 120
aacccttttc ccataaaggc aaagttactg agaatgtttt atttttcctc tggtaatggc 180
taatccaggt aataatatga aagcaaatgg aaaattcaca ttgcttcttt cattgcttct 240
gtccctttaa cctgttaatc ttccagaacc acattactga ggtgctggcc tgtgcatgga 300
aacccaatga tatccaggtc ttacaggtcc agggcccagt ggacagacag gccctgggtc 360
tccacgctgg ccaccatgtc ttcgatggca ttcc 394
```

<210> 699

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291323

<220>

<221> unsure

<222> (1) .. (546)

<223> n = a or c or g or t

<400> 699

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tttttttttt ttttttgctg gaaaccaaca ttttattgag cactcctgct cctcggaatc 60
tattccagta gattctttgc cgagggatca catatcacac aggggtgtga ccagcactcc 120
ccctgctacc tgccgtgtgg gcagggcagg agtgaatggc tcttcctggg cacaggccac 180
agttaaccgg tgacaattgc agagccatag gaattcatct tttagaaaaa acgaaaactg 240
gaataaaaaa aaaacaaaaa acctgagtat aaaacctcag cagtgttcca gcactatctc 300
```

gggggttttaa tataaaaagg catcatgaga aaacagttaa aaagataaca gcagcagggc 360  
gccacctccc agggcaattg gtcatgnngg gttggggccaa gcctgggtctt gaaccgccgg 420  
ggggccttact ttagcagca ggtgcaagcc cccgctgagc aacggcaaaa gcaacgccac 480  
aaggcagcag cacgccacaa ggacctgttt tccagggacc caggaccggg gttctggggg 540  
tttcca 546

<210> 700  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA291456

<400> 700  
gactgaagac atgaaggacc tagcctagga gtggtcaggg tcccgggagt ggccaggggc 60  
ccgtgtgtgc cctctgccag tcttcgctct gtccccgttc aatcaacccc atctcagttc 120  
agcagaaaac cccctcgtca aataaaaccc actgactgca aaaaaaaaaa aaaaaaaaaa 180  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
aaac 244

<210> 701  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA291644

<400> 701  
gggtgtggaa acatgtgagt gtattattta tttttgaata aataatacaa taaaatataa 60  
aacatacact tattgtggcc ctctgcacaa gcaatctggt tgtgcagagt cttggtgtcc 120  
cctgctagtc ttagtacctg tatagagctc ttcagactgg gtgtcgtgtt gcagaggcta 180  
gcaccattcc tgatgtcacc ctgggtgaga cgtggctcctc agaatccaga tttccttttt 240  
tgtctttttc cttcttccac atgttctaag aaaacataga tttctggcca ggcattgggtg 300  
ctcacgctg taatcccagt actttgggag 330

<210> 702  
<211> 262  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA291659

<400> 702  
ttactagtgt gattgcattt attcttataa atgtacagag ctgtagaagt gcaagccaag 60  
agttctatag agtagtacat aaacaccata tggtagcact cctgctggga ggtaagcctg 120  
gataaccccc tctcctcagg aaactgtcac ctgcagaaca cacagcactc agaattaagg 180  
cagtttggcc ctgggcacat tgggtgtatt ttggtatgtg gccactggcg ctaaacaact 240  
gaccatttct accctgcctc ac 262

<210> 703  
<211> 214  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA291749

<400> 703

```

tttagttgta attctttatt tgaacatcaa ataggttgag aaaattgttt acaggtgctc 60
gagcatcccg ctggattctt tttcaaagt caaaagaggt ttacaagtgt gtttcattaa 120
acaaagcaaa gctgcgacaa aaccgagtca catcagtaat agtatgcatc ggcaaaaggg 180
catattaatc catcaaacac aatttggcat ttga 214

```

```

<210> 704
<211> 187
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA291786

```

```

<400> 704
gtttatacgg atgactggga ggcactgcac cacaacgtag gaccctggct cccctttcct 60
tgggtccttg tggtccttgc ccctgtccaa ccctggacag ttggctctac ctcagtaaca 120
ctttatagca aaatcagtgc aaataaaaaat ccctcagtga cctcaaaaaa aaaaaaaaaa 180
aaaaacc 187

```

```

<210> 705
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA292086

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```

<400> 705
gatattgtag acctttatatt tctttaaatc tcctaataaaa aacattaaac tttcaagaag 60
attccaaaact gacattgcat agaccaactc ctttccaaaa atatctctga tatactctcc 120
aactctctca atatatagaa tttgaagtcc aggagctgtg ggcacctggg gggaattcac 180
tgagctcaag gggacaagag ggctgaggac agggctccca catggggaca aggccaggct 240
ttctggcctc tgggtccagc cagcatcaat ttgggttggtg ccaaattctc agtccaatca 300
ccctggccca gg 312

```

```

<210> 706
<211> 329
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA292158

```

```

<400> 706
tcattggccc tcattccaag cactttacgc tgtctgtaat gggatctatt tttgcactgg 60
aatatctgag aattgcaaaa ctagacaaaa gtttcacaac agatttctaa gttaaatcat 120
tttcattaaa aggaaaaaag aaaaaaaatt ttgtatgtca ataactttat atgaagtatt 180
aaaatgcata tttctatgtt gtaatataat gagtcacaaa ataaagctgt gacagttcaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 329

```

```

<210> 707
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA292328

```

```

<400> 707
atagagacag ggtcttacta tgttgccag gctgggtattg acctcctggc ctcaaacgat 60

```

```

cctcctgcct tggcctccca aagtgtctggg attacaagca taagccactg caccgggccc 120
agaggggttt ggaatgaagg tagaggcagg gggatgaagg cgccagagct gaagaccagc 180
ccccagaagc cacaccctcg cccttctagc agctacgggt cctctggctc cgggccttgt 240
aaacctcgat gagcagggtcc ttgacgtact ggatctcgcg ctccacggac tctgcccgtt 300
ccttcagctc gcgattccgt gcctccagcc cctggaactc gaccctccag ggcctcacc 360
tctgcccgct tccgctggcg gtacctcaga gccgccgact tggtctggct tctctacttt 420
tgcttgcggt c 431

```

<210> 708

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292379

<400> 708

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ttgttttttt tttagacttt tgtgtttttat ttaaaaaaaaa aaaagtgtga agtaagacaa 60
aatggacctc taccaagttg tagggaagga caaggaaaag accaggggta gaaaaggagt 120
gtaagtttta gaatgggtggc attggcatag atgtgggaag agtataaaac tagaagaagt 180
ctccagataa aaatatgcaa aatatgtctg ttttaagtata aacattttct gtccacatgc 240
aaagaggtgt ttaccacccc aaaaagggtta tatgttggag tggggacttc actcgcgctg 300
gatatgtatt accctccagc ctggaaactt tgtcttgg 338

```

<210> 709

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292440

<400> 709

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cagaggcttt agaaatttat tacaaggccc tcatagtaga aataaaaaata tagatatcta 60
tgcttcccat ctgctctca gtggttcgaa taacaagtgc aagtaacaaa atagattgtc 120
tctataattc gcaaactggg agttcatggg tacagagcaa cttcagcccc agctcccaag 180
tcccaaagtg tggctctgtc gaggggtgcag acaaggacca accaagtcca accaagtctc 240
tcgtatgcag acgccagctc cagtctcaag gaggggtggg cttgcagtca gtctcactcc 300
acccccgagt ggacagtctg gaccctccgt gatggggaag gcggcacgtg ccccgccact 360
ccggcttctg ctccatccca aggcctcagc ttcggggggtc ctgtctctctg ctggcctggg 420
tcccccttct c 431

```

<210> 710

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292659

<400> 710

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ggtttttgac atataagttt aattacctgc tagactatca gatggaaata tgtggtaaata 60
ggatggaaac aaggtacata aacttaggag gcagaaaattt ttaaacttta gggtagaca 120
ttcaccagat tggacaattt ttaacattta aaataaaact ttttgtcata aaaaacaaat 180
gtattaaaac tagtttcag aactgcccga atgacttttt aaacatgact taaatgtcgt 240
tttgacaaat ctatccaaa tactaattta ccttttagaa cttagtttat aatttatata 300
ttaaagtgcc ctttaattgat attcattggg ataccttcct 340

```

<210> 711

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292711

<400> 711

```
aaagccatgt aaaacccgaa gcattaaaat ttattaaatg atgcaataac aacagaattc 60
tttattttaca atagcattat ttaacatcaa ataagcaa atgcacagca aagcaatatt 120
aacttgcata aatgtattta aaatttctct gaatatatct acctttgcat aaactgctca 180
cactagaaat acaaacatca atgcaggtga acaaagtgat gttcagagtc aactccattt 240
tgaaaataaa tcacaacctg aaacactgta agctttctcc tgaagaacca tagttaatat 300
attgcttaat tttaaccttg tataatcttt tcatatacac acatctcaga tgcaacttca 360
tgaggaaactg tacaaataaa actcacaat g 391
```

<210> 712

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292765

<400> 712

```
ttaaatgtat aaccttaaat atttatttga gaaaacaaat aaagatccaa atacgtgagt 60
tgatcatctg ataaaagtaa gagttgacaa aaaaggtaca tcttctccaa tccgaaaaca 120
gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggga 180
tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240
tgatcgagaa atgtttttaga taaggcacia aaagatacca agaattgtta cactaggctg 300
tacatcctaa aacagtcaga tgagctcact gttataattc tggttcaccg caagaacctt 360
agcacaaaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412
```

<210> 713

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292773

<400> 713

```
tttacactct ttggcttcct tttatttctt gaggattaca tgaaacgtga actatacagg 60
aaagtatggc agccaggtcc tggggccagg ggctggcggc tgctccctgc ccacggtggg 120
ggcttctctc gagccgccgg tcctctccgg ccactctgcat ccaggcggtg gctacttgga 180
ggcagtcatg aagctgttct caatgcagag cacgatgtag gcgtgatggc agctcgcggc 240
actctgcccc a 251
```

<210> 714

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292788

<220>

<221> unsure

<222> (1)..(407)

<223> n = a or c or g or t

<400> 714

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cacagctgaa ttacatttac tgtacaaaga acggttcggg gagaaccagg aatggcggag 60
```



tgtctaacag	cagccgcngt	agtgttgatg	ccgtgaatgc	aggaccatcc	aggtcctcaa	120
agtctgtgag	gtttgttcat	aatcccaaac	aagggccctg	ctggcagcaa	caggacaggt	180
ggggccagga	cagggaagct	ggagcaggag	gccagtgtct	ttgggggctg	tggcagggcg	240
cctgcatggg	gttcccttac	tcatctggta	gttcatgcag	gccacggcgc	tcatctccca	300
ggaacggggc	atggggcgag	tccactgggt	cccagtaaca	ccctccgtgg	gaccaccttg	360
ggaagcatgt	gccgcggagt	ccaccacggg	gggtcctggg	tcccggg		407

<210> 715

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292931

<400> 715

ttttggaata	ccatttgtgt	tattgatcaa	acctggcttc	gagtgtgaca	gagccattct	60
tggttctcct	tggaagtaac	aagaacactg	ggtaacatgt	gaagtgcag	gagactcacc	120
tgaatcccac	caaagtagta	gctggaccca	gtagcctagc	ttattgtctt	ggcagtggcc	180
ctaccagta	ccattagacc	tggctttgtc	ccttacatag	gacagactgg	gcttctccac	240
tcccgcagg	ctggccctac	ctccacctgt	ccttgggaagc	tagtatgtaa	gtaagggagg	300
agtcattcaag	tttatagatg	ggtaggctga	ggattgaggc	aggaggggac	ttaatggctg	360
agtccttggc	ttgttccaga	gccctggccc	ttgagccctt	ggactgggtca	gtgcatggac	420
actctccctt	cccagctcgg	gcggaagact	tttcttgact	tagctgctcc	atacacacaa	480
tctataaata	tgtatttgct					500

<210> 716

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293327

<400> 716

ggtaattagc	acttaatttt	aattaaaatc	aacagttcag	gagaagataa	gatagtgttt	60
aatatcaatt	tctgagaaat	cacatttata	taaaagaaat	aaaacaggcc	agcagaagtc	120
caaaaaagat	tcagcttaca	ttattgcact	tggatgaaat	atgctattta	gagtagtata	180
atattcaggc	caggccagga	ggagaaaagag	aaaaatggag	aggacaaacc	tccaggtagt	240
atttattccg	gattccaaac	tctcctgcgg	cctaaacagt	atttagtcta	ttggaaacat	300
tcagcaaggt	ctttacaaaa	atgactgcag	tatcttcaac	acatttgagt	tgcactcata	360
cttcgttcca	gtcatgtgca	agtttaaatgc	acagctctac	ctcacaaaac	gggatattcta	420
tgacaccaga	acttccctgt	gcca				445

<210> 717

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293420

<400> 717

ggtaaaatag	ctttatcctc	tgtcagaaca	caaacaaaca	aactttgaga	ggggaggaag	60
gaaaccgtct	agctcagggc	tcacttagga	gagggatgag	attagaaagt	tcaacacact	120
gcttgtgcag	cggagataaa	gtcaagacc	tagcaccac	ttataaatat	ctcgttatat	180
taaaaaaaaa	aaaaatgtcc	agggcccacc	tggctctgct	cctgcacaga	aagggttcat	240
cttcactttg	tgatctcaca	ggatcatggag	tgaggggtgg	agagaggggc	agaaatttca	300
gggggagggg	tggctgggaa	a				321

<210> 718

<211> 198  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293485

<400> 718

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ataatattga ttttaaatag tggagatagg gtctcactct gttgtccacg ctggtcttgc 60
ctcaagtagt cctcctgcct cagcctccca gagtgctggg attacagatg tcaaccactt 120
caccagcct gtgctgtctt tattgaaaat agcaagcgat gattttccaa accagaaggc 180
caagcaggaa agcccagc                                     198
```

<210> 719

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293589

<400> 719

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tttttttttt ttttttccag ttctaaaacc aaatctttat tctctagttt gaaaaggagg 60
ggtaaatggt tgttctgttt agttccagag aacagaacaa ggccaatag gtagaaatta 120
taggaaagca gaattcattc attataagga aggatttcta acaattagaa tttctaacaa 180
ttagaatcat ccagggcctc aggaggtgcg gaagttcctg tcacctaagt gctcaagcag 240
aggccaggtg tccatatgct agaaatggag aaaaggaaac tcaccagcaa cttcccctca 300
gctggccctc catcaccaat gcggcagtc ttgccgtgac atgctgagct ctggaaggag 360
cgaaggaggg gctgcggtgt tcagacaaga gcctggacac agtgctgctg ac 412
```

<210> 720

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293719

<400> 720

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caaagtattc aagggtttta ttggggccgc cctggctgcc cctcacagtg ttgcaagaac 60
ccgctggtct tgctgttgcc tttgctcttt gggggccttg gaggaaggc agaggaggga 120
ccaacttatc tgggagagag aaggcccatc tttggggcta agaccaggtg gtgcggaacg 180
agatttaggg aggggagggc ctacttaggg gctggaaggg gatggggctg cctcctggag 240
tgtggtggtc acagagtgtt ggctttgtgg gagggaaaag aaaggaggc acacaagaag 300
tcaggaagag tggatgggag gtgctt                                     326
```

<210> 721

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293868

<400> 721

```
aaacaattgc gatctaaaaa gtcaaaaatc tgaaatttaa taatatgaga cttacactga 60
atataatgtt catttagaag ttgctgtggt ccacttcatt tataagggaac aaatatTTTT 120
acagtacact atagcaacag caaaagccct ctctcaccct gataggaatg ggtttgcctg 180
gtgtctagaa gttagattcc tgctgaatag aattagccat ccttaaaaga ttttaatcca 240
atactgaact gtttataaaa tgctttctct attgtaatgt actgtaagta gtgaaattct 300
gtatatactg ctatTTTctg tctgttcatt gttgtgaact                                     340
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<210> 722  
<211> 227  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA295819

<220>  
<221> unsure  
<222> (1)..(227)  
<223> n = a or c or g or t

<400> 722  
cccccatctg accagaaaca tgccaatcct gagaataacc tcccctccag ccagagatat 60  
tccaactntg caataaaact ntccttcaca cagaaacatt cgcagcctgc ggtaggctcc 120  
cccttcctaa acccttaaatt gcccttagtc tgtaagagaa tgtccctgac cgaaatcggc 180  
cagaagcccc tctnagggtt attcccacaaa taaacctgtc tctgttg 227

<210> 723  
<211> 216  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA296821

<400> 723  
cttcaatcag aatcactgtg cattactgag actctgttta tctactagcct tctgtccctc 60  
ccgcagaaga ctgttggtgatt gaacaaaata atatgtattt tgatttactt aaagtgttg 120  
taaatttctt agggacctgc cacttttgac tgtggatcag ttgatgtaca cttgtattat 180  
taaagcactc aataaatcac tgtggctgat aactgc 216

<210> 724  
<211> 280  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA296994

<220>  
<221> unsure  
<222> (1)..(280)  
<223> n = a or c or g or t

<400> 724  
tatgatctgt accacacctt ccggccagct gtcctcctgc tgatgttcct cagtgtctac 60  
aaggcctttg ttatggagac cttcgtccac ctctgtctgc tgggcagttg ggcagctcta 120  
ctggcccgag cagtggtaac ggggctgctg gccctcagca ctttggccct gtatgtcgcc 180  
gttggtcaatg tgcactccta ggcttggtgt ctcagacatt gatgtacctt ttccctgcct 240  
cactccaggt tttagtgaag taaacagtat ttggnaaagt 280

<210> 725  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA297532

<220>  
 <221> unsure  
 <222> (1) .. (239)  
 <223> n = a or c or g or t

<400> 725  
 ctaaagtctt taattttttg tcacaaatat ttctgcatct ctcagtcctt tcttggtgga 60  
 aaaaggaggg ctagtgtatc atttggttaat ggcaactttta aaangtgctt tggatatatag 120  
 aggnaacaat gtacttcnna ggnatgttaa taataaatta aggttataat ggttgccata 180  
 tcngagngaa tgnataagat tagtctcagc aaaaacaaaa attagtttgg aagtagata 239

<210> 726  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA298180

<220>  
 <221> unsure  
 <222> (1) .. (313)  
 <223> n = a or c or g or t

<400> 726  
 ctccagtggtc ttttagcagtg actgttttgac ataaaacatg taaganttgc ttgttgggaa 60  
 gagtgtctta gggaccact gttttcattt ctnccttgag tttacctgtt ttcagatgca 120  
 gccatgggta ggtcagagat ggattgttgg tgcaataaac ccaagaatca atgtagcctc 180  
 ttaatcccat caagatgtag tttgtagcag caaagtgtac agtctgaaac cgtatgtttt 240  
 atccttatat ttttagagctt tcagcagcct ttttaagaga gggccacttt cccaaagtta 300  
 tttcctataa agc 313

<210> 727  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA298786

<220>  
 <221> unsure  
 <222> (1) .. (313)  
 <223> n = a or c or g or t

<400> 727  
 cgttaccatc gtccgtgcgc accgcccggc gtccagattt ggcaattntt cgctgaagtc 60  
 atcatgagct ttttccaact cctgatgaaa aggaaggaac tcattccctt ggtgggtgtc 120  
 atgactgtgg cggcgggtgg agcctcatct ttcgctgtgt attctctttg gaaaaccgat 180  
 gtgatccttg atcgaaaaaa aaatccagaa ccttggggaa ctgtggacct tactgtacct 240  
 caaaagctta taacaatcaa ccaacaatgg aaacccattg aagagttgca aaatgtccaa 300  
 agggtagacca aat 313

<210> 728  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA299632

<220>  
 <221> unsure  
 <222> (1)..(288)  
 <223> n = a or c or g or t

<400> 728  
 agtcatcaga ggatccaggc cagattacag cccacctccc tggnggatag tcggaagatg 60  
 ctacccttac ccatgtcaca gtggttgggg aaaattcccc caacgtgagc gcctatgaac 120  
 ccatgagcca gggtagacag gagggagaag tgggaatcta accttccttc tctctntnct 180  
 acagaataga ctgtntgact tccaagtcac taaattcatt gatatgcctg tcccaggcag 240  
 ttccccaggt gaatttgnca aaattctggn tgtatnccca caaataaa 288

<210> 729  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA306121

<400> 729  
 tcaggcttca tacgctattg tcttgcccgt tagagcagcc agcgggtaca gaatggattt 60  
 tggaagaggg agtcaccact ggacctccaa ggaagccacg tgcagacatc tacaaccttc 120  
 gatctcctga cgagtttatt gttggccaaa accaggcttt gattgaacca ggatgaatgc 180  
 ggggtgttga agtagaatat atatatacat ataaaattgg ttgggagcca cgtgtaccag 240  
 tgtgtgttga tcttggettg attcagtcctg ccttgtaaca gaaactggcg atggaatatg 300  
 agaggagccc tctggaaaga aaaggacaga ccctgtgctt tcatgaaagt gaagatctgg 360  
 ctgaaccagt tccacaaggt tactgtatac atagcctgag tttaaaaggc tgtgcccact 420  
 tcaagaatgt cattgttaga ctttgaaatt tctaactgcc tacctgcata aagaaaataa 480  
 atctttt 487

<210> 730  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA307748

<220>  
 <221> unsure  
 <222> (1)..(380)  
 <223> n = a or c or g or t

<400> 730  
 cgggcttcca cttcaccatc ggatgtttgc nactcanact gagggggagc tcagagtgc 60  
 ccaaattctc aaagaaaagt ttccacgagc tacagctata aaagtnactg acatttcngg 120  
 aggttgtggg gcgatgtatg aaattaaaaat tgaatcagaa gaatttaagg agaagagaac 180  
 tgtccagcag caccagatgg ttaatcaggc actaaaagaa gaaatcaaag agatgcatgg 240  
 tttgcggata tttacctctg tccccaaacg ctgaccacgc cctggctgca tagatgctgc 300  
 tgctttaaga ccttgggatg gaactttcac tggacattca tttcttnccc taaggcagtc 360  
 acccaaaaaa ttttgttata 380

<210> 731  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA312946

<220>  
 <221> unsure  
 <222> (1)..(324)  
 <223> n = a or c or g or t

<400> 731  
 gaagttaaag gncactttat tnactgacag attgaaaact gtaactccag gnagtgc aaa 60  
 atgcaccaca acccaattac aaagaacagg tggttaacaca caatgtttta acaatgctac 120  
 actcattttt ggcaaagtgc tgtattgttc agtctgtgta caaaactgac catctatgan 180  
 ccaatcagta taaaaaattt ctataaaanc aaaatttagn cagtgggtca agaaaacaag 240  
 ctgccattta tgcatagnnt gatgtacagn aacctaacca aatgtccctt ttgaattttc 300  
 aagttactga aaaaaaatgt gtcg 324

<210> 732  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA313213

<220>  
 <221> unsure  
 <222> (1)..(473)  
 <223> n = a or c or g or t

<400> 732  
 gaacagctca agtccaaaaa gatgcacgga ttggagaagc agaggccaag agagatgctg 60  
 ggatccggga agctaaagcc aagcaggaaa aggtgtctgc tcagtacctg agtgagatcg 120  
 agatggccaa ggcacagaga gattacgaac tgaagaaggc cgcctatgac atcgagggtca 180  
 acacccgccg agcacaggct gacctggcct atcagcttca ggtggccaag actaagcagc 240  
 agattgagga gcagcgggtg caggtgcagg tgggtggagcg ggcccagcag gtggcagtcg 300  
 aggagcagga gatcgcccgg cgggagaagg agctggagcg ccgggtgcgg aagccagctc 360  
 ccgccccgga agcggangct tacaagctng agcgcctagc cgaggcagag aagtcccaac 420  
 taattatgca ggcggaggca gaagccgcgt cnttgcggat gcgtggggaa gct 473

<210> 733  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA314457

<400> 733  
 tgcgctcatt ggcagactta tgtttcaggc atgttgagat ttggaaaagt ggatgtaact 60  
 gaaattcaga tagcttttagt gattgtcttt gtgtgtctg catttgagg agcaacaatg 120  
 tgggactata cgattcctat tctagaaata aaattgaaga tccttcagat tcttggattt 180  
 ctagggtggag taatatattt ctgttcaaat tatttccatg ttatcctcca tgggtggtgtt 240  
 ggcaagaatg gatccactat agcaggcacc agtgtcttgt cacctggact ccacatagga 300  
 ctaattatta tactggcaat aatgatctat aaaaagtcag caactgatgt gtttgaaaag 360  
 catccttgtc tttatatacct aatgttttga tgtgtctttg ctaaaagtctc acaaaaatta 420  
 gtggtagctc acatgaccaa aagtgaacta tatcttcaag acactgtctt tttggggcca 480  
 ggcttttgtt ttt 493

<210> 734  
 <211> 573  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA316272

<220>  
<221> unsure  
<222> (1)..(573)  
<223> n = a or c or g or t

<400> 734  
tgtagcacca gttgataatt ggtctctagt agcttactgt caaaatgttc aatgaagtct 60  
tctgttcacg tgttgaaact aggaaaatac ccaaacttaa atggaagaat tctgaaagag 120  
aggatagaat ttaaagaaca agagtatata aagttattct ttgaatattt cgttgantat 180  
atgtacattg agttatctat atttgtaaac aaattagtca tggaaaatta ttctattcca 240  
aagtctcctt ttagtctaga taatcattat ttcattttta aattagtgtt ttcatagtt 300  
tgactgatg cgtgtatgga tgtgtgtgag tcagtggtag cttattttaa aagcacctta 360  
tccttttctc cataaccttt gtacactaaa aaatgaaaga ntttagaatg tatttgatga 420  
tagcattctc actaagacac atgagaattt aactttataa ccgctgtgag taagatttaa 480  
ttcatagggt ttgatgtcat tgttgaagta tttgtaattc agaaacctg cttgtgtgat 540  
acataggtaa gtctcttcat ttattactgc ttg 573

<210> 735  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA320369

<220>  
<221> unsure  
<222> (1)..(284)  
<223> n = a or c or g or t

<400> 735  
cccgcctcca ccactttcca ccatcagctg ccaaactggt ccctctgtnt ccctggggcc 60  
ttgggttctg tttgggggtc atgaccttc tagtttctg acgcaggga tacaggggag 120  
agggttgctc tccccccag caaatgcaat aatgccctca ccctcctga gaggagcccc 180  
ctccctgtgg agcctgtnan ctccgcattt nacacggagt ctgctgtgaa ccccgcaaac 240  
tcctcccaa cttccatctt ttctttccag ggcccatccc tggg 284

<210> 736  
<211> 323  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA321833

<220>  
<221> unsure  
<222> (1)..(323)  
<223> n = a or c or g or t

<400> 736  
ctgggtgcaa gaggtttatt tgggagccat cccaggaagc ccaaggcggg ggagtgggga 60  
agagaggga gggagagccc ccgcagaagt acatgaatga gtgggttact gctgcgggca 120  
actgggactc catcctgctg ggcacacctt gagagtttat gtagaataca cttcagaatt 180  
gtcctgctca aggacaatga agctgagggtc ctgctcctta ttgactcagg gttgctgctc 240  
ctggggacat taacccccca acatttctag cttncaccagt gcactgactn agcacacagc 300  
tatggccacc aggaacctt ttt 323

<210> 737  
<211> 263  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA328684

<400> 737  
aggatgtcta agctaattccc gtcacagaaa ggaaacgcac aggcgcctag gcagaaactt 60  
ggagactcac cgcagaggcc acgtgaacct acggccacag agaggcagga cggcagagcc 120  
atgatttccc accgagcgat tacgagaacc ttttccccca atagtagaca catctccaat 180  
acaaacacag gtttataata agtaatagga agtcaatata atatagatta tccccagaaa 240  
aaaatcaaca atcttcaaac act 263

<210> 738  
<211> 160  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA328993

<220>  
<221> unsure  
<222> (1) .. (160)  
<223> n = a or c or g or t

<400> 738  
gcttttagagc agttatggga gttatagatt ataacatatt agtgatttgt gaaacttttt 60  
tactaaaatg tgaccctcat ttttctttac atgaaagaac atagaatatt tcacaatgca 120  
tcccacgtgg taagaataaaa aaattgtttt agttatatgt 160

<210> 739  
<211> 245  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA331393

<220>  
<221> unsure  
<222> (1) .. (245)  
<223> n = a or c or g or t

<400> 739  
agaaaagggtg gaaatggcct tttattttaa tatgaggaaa aaattagaat taagtacagn 60  
aagattatatt ttaaaaaagc agacaagtta gaacaaacat tttattatta aaataaactt 120  
ttgtataaaa gcattacaga tcaaaagctg tatttacact tatcgnttca aggtccaatt 180  
atgcatcaaa cattgaatgg cacagcaatg gtttacatat gcaagtaaat tggacataca 240  
aacac 245

<210> 740  
<211> 233  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA335091



<220>  
 <221> unsure  
 <222> (1)..(233)  
 <223> n = a or c or g or t

<400> 740  
 gagtgtgggg tcagtttatt gggcatgcgt cagtcagagg ctgggctggc cagggtcggg 60  
 tagggcagca gtttgtctgg accccgagaa acccaactgg aatccagggc ctcactgtnt 120  
 tcaaagccaa agtccttcctc aaccttaatc tgcaccgggg ccagctctgg agtcagcgca 180  
 tttcctgctc ggcgtccatc ccgtggnact cgccgcctct tccgccact tgg 233

<210> 741  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA335191

<220>  
 <221> unsure  
 <222> (1)..(299)  
 <223> n = a or c or g or t

<400> 741  
 gcaggccaaa accntagttt atttcagcat cagcagtatc ttagccatca aaaaaataaa 60  
 cntaccaag ggtgacggaa gtntctacag caaggntaag ggctcgccag acggcgaaca 120  
 tcaggggtgc atgggtgggca ctgcccaggc aataagtnag gaagcagcag ggctggtntc 180  
 ggggtgtgggc cgggcttnat ttctgggagc gcatgaggtc gtcgatggcc tggccctgct 240  
 ccagccgctg ctccatctcg atgagcagct tactccgctc caccaccatc ttgcaccag 299

<210> 742  
 <211> 219  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA338512

<220>  
 <221> unsure  
 <222> (1)..(219)  
 <223> n = a or c or g or t

<400> 742  
 cccngtaga gataggggtc ttgctatgtt gccaggctg atttcaaact cctgggtctca 60  
 agcgatcttc gtgcctcgcc cttccaaagt actggcatta ccggcataag tnactgngcc 120  
 tgcccatcc cctgaaactt ctaacgctag agacttctaa ggtgagcagg tggcccttgg 180  
 gacaggaatg caataataaa atagaaaaga cggcaaact 219

<210> 743  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA338729

<220>  
 <221> unsure  
 <222> (1)..(218)

<223> n = a or c or g or t

<400> 743

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gccaggggaag ancagcttta atgccagtaa tgtcagccag gagatgggag accagtctca 60
aatccatctc tccaattgac taaagttagg ggtttatata gtagggaagg aacgtaaaac 120
aaganttagg gaggagtaag gaagaggagt tgggtcaacgg gcagcagggtg gttggatgag 180
gggtctggtg tctcaccgta accatatgca ggaaaaca 218
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<210> 744

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA338760

<220>

<221> unsure

<222> (1) .. (207)

<223> n = a or c or g or t

<400> 744

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gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60
acaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120
gaagcttccg gtaaataagg gccccgtcgg caagacagca tactgctgtc acaagtgcaa 180
acaccctcc accaactgtc aatgttg 207
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<210> 745

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA338889

<220>

<221> unsure

<222> (1) .. (251)

<223> n = a or c or g or t

<400> 745

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cctcatgcag ccccaaaggg cannaaagag actttaatta ggggagggag gntccaccag 60
antcagaaaa gggacagcta gcgtgggagc agaggagcca gaacaggcag gaggagggcc 120
cggccaggaa gctctggagg actcacctcg ccacctctgg cacaggcact ggcactnacg 180
gacaaggcga aacagcggcc cctctcaact nggagggcac ccaatggccc ctgtagccag 240
aggttgcccg g 251
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<210> 746

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342301

<220>

<221> unsure

<222> (1) .. (310)

<223> n = a or c or g or t

<400> 746

aaagagatgg ggtttcacca tgttgccag gctggctcttg aactcctggg ttcaagcagt 60  
ctatctgcct tagccacca aagtgcctggg attacagggtg tgagacacca tacctagcca 120  
agttaatttt tttaatggtg aaatcttttc tttgcacata aaatgagcca gtgcatggtg 180  
cttctctgag tacaagacaa aatttatggc aatgggcaat tagacttata cttttctgca 240  
agaaaattaa cgggaaaatt ctctctcttag ttttctggtg ttttnccatt gatctgatac 300  
tgtactcgtg 310

<210> 747

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342337

<220>

<221> unsure

<222> (1)..(359)

<223> n = a or c or g or t

<400> 747

agagataacc agtttatttt ggggagcaaa gagaaagggt ccctaaccac agactgcctg 60  
cgaagagggtg aaatggaatt gaatgggatt atggtcagcc aaggcttcct agtggagctg 120  
ctacctganc tgagttttaa gaggggtagg aaagaaaaaa tgtagtgggt cataatggca 180  
ttccagatac aggggacaca aacagctctg tgtttatgaa ctacaaccag ttgttgactt 240  
ttgtttcaag tggctcccct tccccagtgc tgtgtggacg atggactgaa gaggagaagg 300  
ctggggagcaa gggaccagta agctgttgca gcagtgcagg tgagatatga ggcctcaac 359

<210> 748

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342446

<400> 748

aatgtcctag cttggtttgg tcttgaaaag attcataatc actccaaatg aaatgctcct 60  
cccttggcca ccaatgtgaa gggagggtag aaacctgagg ctagacttct gacacaagaa 120  
gaatctgtcg agagcacagt ctcccagtca ataagaagga aggagagagg gggatgagct 180  
cgcacccttg agaagaacct tcatgagcca attcccaaag catcaactcc gcatggatac 240  
tttgacaca catcagccgt gtctaattga cacacacacg tgcatacaca cgtgagcaca 300  
cgccgggacc acagaccctt at 322

<210> 749

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342771

<220>

<221> unsure

<222> (1)..(377)

<223> n = a or c or g or t

<400> 749

attgaggtag aactttatgc caagtaccga gtaaagcact ggggacatta agatgaacta 60  
ggcagtctct gccctcaaag accatcaata gacatttttag tatatgcagg gagttctggt 120  
cacacagagg acaaattggct ggaaataaaa gttaccaaaa tttggcagaa attcttccag 180

atatcttttt atgcatacaa gtatgtntcaa gcacacgcc aacacagata cacacataac 240  
 agatgcatgc atgtntgagt gtgtgtgcat agatgattag acagatagat agcatcatac 300  
 catctttgat gatcagaaat ggtttttttc tgcacaatat aacatgggca ttgctccaca 360  
 aaaaccaata aatgtag 377

<210> 750  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA342918

<400> 750  
 accataattg acttttttatt taaaaaatta cacggagcaa tttccagctt atcttttttt 60  
 ataaaagtac tgcctatatc aaacattttta tatcacgtta attccattga agagctgcct 120  
 ttttctgtta aggtactgat tccaattgat gggatacatg cccttaatac agaaagtttc 180  
 cattatttat tcaaatatca aaattaagat tattgagaag tttattgctt tatggctggg 240  
 caagatgcta ctgacacatt ttaggtaaat aatattcttt attaaaaact atgaggggtca 300  
 ttctgtttta aacttttcaa gataattcac ggggaaacag gtatatctat tcaa 354

<210> 751  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA343142

<400> 751  
 gaggtggagt ctcacgctgt tgcccaggct ggagtgcagt gttgagatct tggctcaatg 60  
 caatctccac ctcacaggta gctgggacta caggcacctg ccaccacgcc tggctaattt 120  
 ttgtattttt agtagagatg gggtttcacc atattgggtca ggctggctct gaactcctga 180  
 ccttggtgacc gccgcctcg gcctcccaaa gtgttgggat tatagtcgtg agccaccgtg 240  
 cccgtcctag agtcagattt taaatcttca aatattcaag accggtttat tagctatttg 300  
 agggttgtga acgctttctc ctctcttaca agtgcaaagc ctaactcatt gaatgtg 357

<210> 752  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA344866

<220>  
 <221> unsure  
 <222> (1)..(291)  
 <223> n = a or c or g or t

<400> 752  
 ggggtctgag acatttaata agtaggtacc actccaccca ctgtcctctg gggcagccgg 60  
 cagaagatcc cctgccctgg gtggcagggc cctgatctga ggctggtttc acggaggaca 120  
 ggcagcgggc acccccactg gtggggctcg ctctcggggc actgacttct cagcactgga 180  
 gctgtgtncg ggcctcacct cctcacttcg tccaggacgt ggaactgggt tncagcctc 240  
 gcagaagccg tacttnggga agtagaagat cttngtcctc agtcagggtg g 291

<210> 753  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA347674

<220>  
 <221> unsure  
 <222> (1)..(189)  
 <223> n = a or c or g or t

<400> 753  
 gttcagggca gcctcactgg ttgacataat aacattttat naaagataat acgnttttaa 60  
 aaaatcaa at ctgccaaacc cggaccaccc tgggaattgct agcacgccta cagggatttt 120  
 nggttacaga aaggcatgcc caagattcag gagagcagag acatctgagc ttgtaaatag 180  
 aataaaagg 189

<210> 754  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA347717

<220>  
 <221> unsure  
 <222> (1)..(155)  
 <223> n = a or c or g or t

<400> 754  
 caaatattgc taattttatc cttttgtag attcactaat tttaacatt aaaaatgact 60  
 tgtacacttt acaaattaaa acattagatc acaaatgaaa atatgctcca gacatctata 120  
 ggcatctgct tttctttata ctcnactana tacat 155

<210> 755  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA348284

<220>  
 <221> unsure  
 <222> (1)..(389)  
 <223> n = a or c or g or t

<400> 755  
 ctgtttgttt tttattgagg ctcatcgacc agggaaacat aatgtncca ctcatctgct 60  
 tttaaagtag agaacaaggc ccacaaactc tatttaataa atacaaatta ctaaaaatgc 120  
 gcttagtggt gtattgtggc cagttaagaa caggagatgc tgggacagag cctacagaaa 180  
 gggcgggaga agaaaggaaa tcaaaatgaa gcagctgaca gggacgtcag ggagacacac 240  
 aggtgcagtg acagccacac tgcagcagaa gctcagcttg gaagacagag gctgcagaaa 300  
 gtcggtcctt ctaggatgcc accaggggaa aagtcttcaa aatgttggtg ttactntgac 360  
 cnagggcaga agtcttaggc atcttaatt 389

<210> 756  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA348466

<220>

<221> unsure

<222> (1)..(267)

<223> n = a or c or g or t

<400> 756

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gcaaaatgca gtgtacctta aaagtgtctc acctagaagg cctctacctg taatcacatt 60
aatttttcta aagacaattt ggtgttttga agataaatgt cattagtcta tgataatagc 120
atcataggac aattagccat tttgaccttg accatatttn ctctttttag catatagcca 180
tcttgatatt taggtgggag actactccaa tggagcaaca gtttcatttt acatgattgg 240
atntagaaat ttacaaattt taaactc                                     267
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<210> 757

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA348485

<220>

<221> unsure

<222> (1)..(171)

<223> n = a or c or g or t

<400> 757

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aaaatttaag ccaactctta ttcaactttn ctncctcaca gcagctgttt atagatagta 60
gggagccaag aatgaaggac agtaacagat ggaaagcaaa aagtacaaca gctatcttaa 120
gtncagctct caacattgct gggtgagttt ggaacacaaaa cctcttaaca a          171
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<210> 758

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA348922

<400> 758

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agcttttaaag aaatgcttgc ctgagagttt attttttggg gaaaaaggca agttaatccc 60
aacatgatct tttgatatga aaaccacatt aaaaatctgt tggcctttac acagagtggag 120
tggttcagtg aagataaagt agacagttat tcaggcgctca cagctgagca tggctgatcc 180
aggtaactct ttcttgaaat gcttgtcttc actatagaat ctaaggcaga tttttaaata 240
acccctgaaa aaggatggag tcggggaatc aggccctggag aaccgagtc aagagcattc 300
tgccatgaaa gagaatccac gcgttctgat gaggacccat tt                                     342
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<210> 759

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA349792

<220>

<221> unsure

<222> (1)..(382)

<223> n = a or c or g or t

<400> 759  
aactacaaaa ataagcactt tactaacaac aggattctca gggaatgggg gctttcagag 60  
gtgtcactgg gctgcactgt tgaggctgtg tgcattcagt gagatgtgag accgaaagaa 120  
attatccagg acttgctggc ccatgcgggg ctttttccga ctgcacggag aggacacctg 180  
ggaccttttg gaaccatac aggtccctgg ctggtggccc tgatacacac ggaaaacctt 240  
tttcatggcg gtggaaacag ctgcggtgtg aaattcctcc tgcgtcanca gcgagcacct 300  
ggtgggtacgg tggtcactng ggtctnccct tccaaggcca gcccatatac ttgatatgtc 360  
aacttgatgt gagagaagggt gt 382

<210> 760  
<211> 312  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA349836

<220>  
<221> unsure  
<222> (1)..(312)  
<223> n = a or c or g or t

<400> 760  
cccaattttg tgccaagatg agaatcacat ttattgaagt tacattacag aagatagtga 60  
aggggaaaaga ttgagaactt ccttagtaca cccttactcc aatatttnct attagcactg 120  
cacatgtatt actgcctagt gtccattggc atagaagcct aaganctgct tatgtngcca 180  
gtccttagaca aggataagca tttttaacaa atacaggtaa aatctcattt gtngctgcaa 240  
tcttttcaca ataaagttaa gctgtgtcat taagaaccaa cagcgtggcc gggcgtgatg 300  
gctcatgcct gt 312

<210> 761  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA363203

<220>  
<221> unsure  
<222> (1)..(230)  
<223> n = a or c or g or t

<400> 761  
agtactcaaa caactttatt tcactagcca tgagcaaaaa gttgaccggc tccaggggat 60  
tttccatcct gccctctccc tgctggtggc tcccatgatt tggaaataac cncatgttcc 120  
acttggcagt gcctggnttt gtgcaccac anggttttgg cctgggnccc agtgaaaatg 180  
gtcctcacct ggctggggaa canggttntg agaggccct tgatctgccc 230

<210> 762  
<211> 169  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA364267

<220>  
<221> unsure  
<222> (1)..(169)  
<223> n = a or c or g or t

<400> 762  
cccagctgcc ccagccctgg tctntggcgc atcttttccc tcttgtcccg aagatctgcg 60  
cctctagtgc cttttaaggg gttcccatca tccctccctg atattgtatt gaaaatatta 120  
tgcacactgt tcatgtttct actaatcaat aaacgcttta tttaaagcc 169

<210> 763  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA365691

<220>  
<221> unsure  
<222> (1) .. (399)  
<223> n = a or c or g or t

<400> 763  
ctggaaagca actgtgtatt tacacaacag tggacgcctt tnacattgca gaggggcggg 60  
taagagcggg atggctagga agctacagca cctatttggg tatgaacaca gcattttcag 120  
atggctgggg gaatagatgc cacttccac tcaagacagg gatttgctca gcgggaaagc 180  
aggtaataaa ggcagcacat cctgcacttt gaactgcac cgtctcatcc tgcagccacc 240  
ctgtagctca aagcacagtt ctggagccta ttaggtccaa atntcaattc tacccttgag 300  
tcagcgaggc cttaggcaag aggtccctcg aagtctgtct tcctgtggca gattagggnc 360  
ggccacacca caaggcagtc gcttggggcc ggggcccgt 399

<210> 764  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA365708

<220>  
<221> unsure  
<222> (1) .. (340)  
<223> n = a or c or g or t

<400> 764  
gttgtgtgat tcttttattt cttgacatgc acacatatat ggntcaaaaa gtatgtacaa 60  
ctagaaaaac ggactccaag caaaaatgga aaacatgttt ccatgagctt agatttccgg 120  
gtatattact cctaaaccta aggtagaagt aatgcattgt ncacttacat gtccactttt 180  
ctaaccaag ctaagggtg gaaaaagaaa gtcagaacag tccaagtaa atatgggaaa 240  
ccatagcagt gataaaacct aagntttctc agaaatagtt ttaagtggga agcctctaata 300  
cctacctgga cagtgttttc ctgtgggggt tctcagcatg 340

<210> 765  
<211> 214  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA365742

<220>  
<221> unsure  
<222> (1) .. (214)  
<223> n = a or c or g or t



<400> 765  
aagatatttg attatcttaa aaattggtta ataccgtttt catgaaagtn ctcagtattg 60  
taacagcaac ttgtcaaacc taagcatatt tgantatgat ctcccataat ttgaaattga 120  
aatcgtattg tgtggctctg tatattctgt taaaaaatta aaggacagaa acctttcttt 180  
gtgtatgcat gtttgaatta aaagaaagta atgg 214

<210> 766  
<211> 228  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA370163

<220>  
<221> unsure  
<222> (1)..(228)  
<223> n = a or c or g or t

<400> 766  
gaaaagaaat ctatttttaa tggctttggc tttatagcac gaagcaggca cccnctcggt 60  
aaaggcacac agtcctctct tctgccccac ctctgggtc cttaaaatcg agtcctgagt 120  
tccagagggg tcaactgcaag gcagcaggga agggagaggg tcacagtttc actctgtgag 180  
tatcagacac ccagggccaa ggcccagact ggcctctgaa gctaaagg 228

<210> 767  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA370359

<220>  
<221> unsure  
<222> (1)..(244)  
<223> n = a or c or g or t

<400> 767  
ggttccttta agcttattta atatttgaaa tcttatttnc tatttnccca gaccccagaa 60  
aacagaaagt ttttagatga ccaatatttt gttccagaaa catacagcct tatcagctaa 120  
ttgcataaaa gagcctattt tacaaaggta catctggata attaggaaca ataaagtntc 180  
tttagggcat ttgcaaaatg tggatcagta aaaatacatg gattattcaa taaagttttt 240  
ttaa 244

<210> 768  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA372018

<220>  
<221> unsure  
<222> (1)..(377)  
<223> n = a or c or g or t

<400> 768  
gagattaaac aggcaagttt tattatcaaa tgtaaactct acaaaaaactc agtagtattg 60

tagtaagcat tactgcctat cttaaagtct ttcagagctt tgggcagctt tgggcatctt 120  
aaggcatcaa gtatacagaa atttcttttc gatcttaagt gccagttatc accaattttc 180  
acacaaacct tttttttttt cttcctattg cagttaaagg gccattgcca gtcagctgaa 240  
gaaggaaatg tttgcttctc cttttaagggt gttaaagtaa tgcacagaaa ataaaaatag 300  
cagcctcata aatctgcacg gcattgcatt caagcaaagg gncaatatga gtaacttagg 360  
ggaaatatcc acattca 377

<210> 769  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA372630

<220>  
<221> unsure  
<222> (1)..(281)  
<223> n = a or c or g or t

<400> 769  
ggcacatttt tgcctttgtt taagcctgga acttgtaaga aaatgaaaat ttaatttttt 60  
tttctaggac gagctataga aaagctattg agagtatcta gttaatcagt gcagtagttg 120  
gaaaccttgc tgggtgatgt natgtgcttc tgtgcttttn aatgacttta tcatctagtc 180  
tttgtctatt ttncctttga tgttcaagtc ctagtctata ggattggcag tttaaatgct 240  
ttgactcccc cttttaaaat aaatgattaa aatgtgcttt g 281

<210> 770  
<211> 306  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA376875

<220>  
<221> unsure  
<222> (1)..(306)  
<223> n = a or c or g or t

<400> 770  
ggccccacaag ggtgcccacc tcttgctttc cccttttaaa aactcagatt tttaaaagcc 60  
ctttccaaag gtttcaactg taaaatactt cttttttacaa tgtatcaaca tatttttatt 120  
taaggggaat taacaattgc cagggaaacc agccaacca agtttattat atcattaacc 180  
ttatcataaa ttcaaacctg agttgctgga ccttggtgtg aggncataaa tcttccaaag 240  
ttttgcctat cctaagagct gcatttttct actgctcttt accttgcatt ttagctaatt 300  
taggag 306

<210> 771  
<211> 249  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA377087

<220>  
<221> unsure  
<222> (1)..(249)  
<223> n = a or c or g or t

<400> 771  
acggcacaaac ttgctatttt tattagaggt attgatgatg aatataatgt cactgaagaa 60  
atcgaaatgt caccatgcta ttaaaagaca caactaaatc aagngattta tatgaagcag 120  
tgaaaaatat gttaaagcaa ttttctttgg cctttgtaaa catatgtgnt ataggctaca 180  
gatgctnccc tgggcgatgg taggtaaaaa gagaggggct tntacaattt aataggatga 240  
tgcaggttt 249

<210> 772  
<211> 156  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA381125

<400> 772  
ctgatgtggg ggtaactttt tgagggataa tgaaattatg ttcagcctca aaaccctgaa 60  
aattaattat aatgctgctc agtcttgctt atgcatttgt ttgctctaac atgctctttc 120  
cattaaaaat tgtaaacttc ctccattgct gttaaa 156

<210> 773  
<211> 161  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA382975

<220>  
<221> unsure  
<222> (1)..(161)  
<223> n = a or c or g or t

<400> 773  
aaaagtggaa caaatatttatt taatgtaagt tttatgtgac acaggagcct tcaactcaaaa 60  
accgagttaa aactactttt gtgggttaggt ttaatgaaat gnatggggca gttgtataga 120  
agtatgattg tancaaaaaa gggcatgatg gtcctcaatg g 161

<210> 774  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA384184

<220>  
<221> unsure  
<222> (1)..(282)  
<223> n = a or c or g or t

<400> 774  
cttcattggc ccagcttggc gaaagcnagg cacactgctt actgccttgg ggttgtggag 60  
atggaccctgt gacctcgtgg aggccgtgtg ggggcagcag cctggcctgt gccatggtgg 120  
gtgtcctggg gcctgtgcgg agggagccac ctcaccctgc agcccagttt gcaggtgtgg 180  
ccttgtttct ccttgcccag cagtgtgcc ttcagcgcc gtgacggggc cagctggaca 240  
cacggtgaga tttntcgtg tgtaataaaa aggnattttg gt 282

<210> 775  
<211> 472  
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA393139

<400> 775

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gacgcgcggg gccacactgc cgccccctag actggcgctg ggactgtggg acaagttggc 60
tgggtccggg cttgggggact gcaaccggtc ttctgtgctt caccatctac ataatgaatc 120
ccagtatgaa gcagaaacaa gaagaaatca aagagaatat aaagaatagt tctgtcccaa 180
gaagaactct gaagatgatt cagccttctg catctggatc tcttgttgga agagaaaatg 240
agctgtccgc aggccttgcc aaaaggaaac atcggaatga ccacttaaca tctacaactt 300
ccagccctgg gggtattgtc ccagaatcta gtgaaaataa aaatcttgga ggagtcaccc 360
aggagtcatt tgatcttatg attaaagaaa atccatcctc tcagtattgg aagggaagtgg 420
cagaaaaacg gagaaaggcg ctgtatgaag cacttaagga aaatgagaaa ct 472
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<210> 776

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA393825

<400> 776

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ttttttaaag ttaaactttt aaagttaaaa gtgaaattta ttacaataca ataaatgcaa 60
gtgtcattat taaaaatgcc ggtaaattt ataaagtatc taaataattt ttctaataata 120
aatattggaa atgacaactt taacaattct atatgtacac aggacactga aaacataaaa 180
tcatgaacaa ggccaaaaaa taacgttgca cattaaccct ttagttatta ctttctattt 240
tccagtccca gcatcatacc tgctaattac tcagatcaca agcctcaagg attaagtgtt 300
ttgaatgtat ttcagtttca tactttaaca atgcttaaag actattgggt gtattctgat 360
caaatgggtc tccttcccat atttc 385
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<210> 777

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA393961

<400> 777

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gacataaact aggcggcatt cctggcatca aagcacaaaa cgcaacaaaag aggtctctgc 180  
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<220>  
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 ggagtcactt ggccacagtc gcacagttgg aaagtggtag agccaggatg agacgcta 300  
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tgtgttcttc ctgaggggtg ggggcaccta gtcactgcct agaggacatg gtccccacc 360
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<211> 327

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<213> Homo sapiens

<220>

<223> Genbank Accession No. AA397914

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tgttgagtca tttgtttcgt cttgagtagc atgtcatcct tgttcctaga agatagttag 240
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<213> Homo sapiens

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tataatttgg gaggacaaat catctcaaat gtatattttt gaattatgtg ccaattttat 180
aattagtaca aaaatgacag ctgaaatatt ttaaaaatgt aaaaaccagt ccaggcaaca 240
taactatacc atcttgctgt aaaagtactt atatcgaatt ccgcacaaaa tatttttgca 300
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aagggtgtgtt gtcacattct ttctacattg aatttggcaa catttttatt attcagatta 300  
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cttcacaaaa gccacattt taaagctatt tggaggagca caaagagtta aagtggtaat 300  
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<213> Homo sapiens

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<211> 455

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<212> DNA

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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cattcttggg cagagagtct gcaaatgagt ttccttatac ctaatgtctg aacttctcac 180  
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ataaaggcag atgggcggtc aaccggtgga tgggcacagg gagaaccgga gaaacagatg 180  
agtggaggaa cggacacacg ggcaccgggc ggctcccca tctggaatgc aggggtgtaag 240  
gggtccgggc caggaggctc agcggtcggc actggagcgc aggtcggtag tgaggggatc 300  
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gcgcacattg 370

<210> 805  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA399264

<400> 805  
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tttcaacctt tctgcataaa actgtattat gagataggca aacaatctca caagatggtc 180  
tgagacataa aaacaaaaga caacctatcc agcatcaatg tcctattgac aaactcaatg 240  
aagaattaag aatcacactc cacaatgtgc tgctccacca agaaatagaa atgtaatgat 300  
tttttgaaag gtaaattgct cacaataaac agtcttcttg ggtagtacag tgtaattgtg 360  
attgtttagg actgctcttg tgggctaata ttacgctgt tgtttttttt aaatcatcat 420  
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tc 482

<210> 806  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA400030

<400> 806

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taatgggtgct aatggcaatc tagctaattgt gcaaatttag gaagtcttca gtactaagta 180  
cataattttc aaataaatatt ttttaattgt ctactttgga tgtagctat gtcttctgag 240  
tataaattcc aatttttaagc actattttga tgcaaaaaaa tgaataaaaa atttaattta 300  
tgaaaaaaa aaaaaaa 317

<210> 807

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400080

<400> 807

tttaagtctg aagacatttt atttttccta tgtgggaagc aatgatgac ttacactttt 60  
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tgctaagcga cactagacta ataaccattt tctagaatta ggtgacctac ttctgaataa 180  
aattgaaact ggattgcgta ttcccttact aataataata ctaaatatat tcttaaatca 240  
gttttcaaaa ttcaagatga aatctagaaa tatggaacaa ctagcaggaa taagcccgaa 300  
gatgattcta gctccgttac tactaaaacc tagttttctaa actttcgagg attttatatg 360  
aactcgcagc aaaaaatgag ctacagaggct agaatatgac t 401

<210> 808

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400177

<400> 808

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tcttgacagg agtgccccc gtgcccagca caggggccagg cacacagtgg tgcacgggaa 180  
cgtctgctga tgcccaccct aaggccaatc aaggagccac ggggctgggt cctgggtcctc 240  
acatcctctt ccgcacattg cctttcttgg agcgggcacc ccggccgaac gccctgctgc 300  
agctccttga cgcggcggcg gttgcccggc gagagctgct tgaggccacc acgctgcagg 360  
aagtgcagct tctgggcccg gcgcgcctgc ttcaggatct gctgcttggc cttgagttcc 420  
gggcggactc ggctgcagg ggtgcctggg gcgtggggcc gggatgcacc ttggccacgg 480  
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<210> 809

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400184

<400> 809

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gaaaccagag gataagttta tacaaaagca gcctgcaaag tattcaaattg tgcaaaaatg 120  
acagttcaat atctcaaact attcctgggt cagcagacta gctccttcac tttcacacat 180  
caatattttg tacaaaaagt tattttggca aaatctgtta tgccaagaaa aaggacaatt 240  
tgcaattttca gtcattaagt ccaaaatcct atagccagca gtcagatctc tctgttttag 300  
ctgcaaccag ttctgggaga gagagaccac tgtatttcat ttctgtgatg agttctgacc 360  
agtttttagtc aagaagtttt ct 382

<210> 810

<211> 438  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400246

<400> 810

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ttttattttt ttttcgtaaa aactctaagt caaattactg ataaaattgc aaaatgagca 60
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actctggggg ggccagaacc aaggcagaat tcagtcactg atgcagttcc aggcctccatg 180
cagctgagga ggagaggagg cagatgtgga cagttctgtc tcttcgttta aaaaatatat 240
tcctgtagag agttattgct tgtcctcccg tgggcaggag ggcgcggtgg ctcagtgggc 300
cagagccgca gcctccaggg cccgagcttt cttccgcctc ttcagcagca gaggggttga 360
tgcattctca atctttttta tcttgatctg ctcgtagtca acgcgcattg tggccaaggc 420
actggtcatt tccagctt                                     438
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<210> 811

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400251

<400> 811

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gtatcataatc atataatttc caggtgtgtc agagtcagtg gacaaattac gtttgaagaa 120
cagcttttaa atccactctt gtctgccact cctttatgaa atattgaaaa gcagctctgt 180
acctcagcat taaagggttac aaaaagcacc attaaaaaga ggactcacat atttaatccc 240
cttcaaagta gtcttatctc tcctttctga cagacacaga gctgcactca ttcgaaatgc 300
tgccgtgtaa taccaaccaa catgctccaa tgtacaaaaa ttcaaacaag tctcatttat 360
gagaccctgt tagtgattag gactaaccaa caacagttag                                     400
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<210> 812

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400258

<400> 812

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ggaaaaattga gaaccatttg ctcttatgta acctctgctg aacctgacc ccaaggtcta 120
aggagaaacc acataggata aatggtttacg cttcacgtgg ccaccagat ccatttttgt 180
ttttgagtct ggcttttctg tggctgaaga tataccgcag tcagcaggta atggctggat 240
ttgggcgcct ccatttgttt cttctgcttc cctaaaaaat ttttcatatt tgtccaggta 300
tggtgggtcgt tcaggtagta ggtaataatg tgttgaacta accttcttcc cattttcaat 360
aatgggcaga atgaaggaac cttactggca gatccttcgc tgttctgtct t                                     411
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<210> 813

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400259

<400> 813

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cagcaatcac tttacctgtc tttcctgcaa tgccaattca ttccacatc cctccaagac 120  
 ccaggagagc ttggggaagc agggtcaggg acagaatccc caaagggtgca cagtcccttg 180  
 aggaagggtg caagaggtgt agatcaaagc tgagctggga caaaaggctg ctttgagcct 240  
 ctctgggtga gctcttcagg aaccaggacc ccagaagggc aagctcctct ctccacggcc 300  
 atcgccatgg agggatcctc caagctccca ctttctgtga tttcagagtc cctcagactc 360  
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<210> 814

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400271

<400> 814

aagaaaaaca aaaatttact tcaaattgta gtataggctt ttcaatcaca aaaagaaaga 60  
 aaagaacagt gatctgacag tggtcacatc ctgtgcaaaa aacttgatac aaaaatgata 120  
 gcacatggta tctgagctgc ttacattaca agaaaaagga aatacagtag ctgaaatatg 180  
 gcactcctgg gaatcaactt ctaaaccaaa tagaatgcct ttgaaatgat taaatttatt 240  
 tgtgtattag taagaaagcc ccaccaccat aaatagtaca atatttataa ataaaaaaaa 300  
 atatatctat ctaagataga tagtgtattt gtactgttag acttctttaa gtgcagaagg 360  
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<210> 815

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400333

<400> 815

aagaattagt gatggcaaaa taaaattttg cttatgaatc ttttacattg tttatatatg 60  
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 cttagtcata tatctttcat tagttctatg gatatgagca gatcccttta ctggagccca 180  
 gtatgtgctg tgtgagttag aagtcattct tgctgagaag gtgaatagggt agggatttgc 240  
 cttgttttgt aagtcataca tttgccaaga gtaaataaca ctggaccagc tgtaaaagta 300  
 aacagtgtgt ttatgcattg agatactaaa gcatttaaga 340

<210> 816

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400471

<400> 816

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 gaagggtttg gaatgttctc tcctgttctg cagggtgtgct ccacatcccc agccactcag 180  
 gtccccagaa tgcgacagga cctggagggc agcgagctcg tcatccttgg tgtttgaatg 240  
 ccatctatct gtcccaacct ggtaggccac cttcctcctg ggaaaactgg aaaaccaaag 300  
 aattgcttct gatcagatcc ctgggaagat gttcaccagg atgtaaaact tgtctaaaaga 360  
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<210> 817

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400643

<400> 817

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ccccacgcct cgggggcccc gccgcccctc cggacccgca gagctgggga catggcatgc 120
cctgcactca gtcaccccga gggctgagca gattcctgga tgtgatggac cagctcagct 180
gtccccagac cccatccctt ctctttttcc tttgtggcct taacccttct gcatcagggg 240
gccccctctg cctcttgagt accagacctc atgggaccag accccttggg accacatggc 300
acaatgggac ctctgttgta cattccgggt gggggatgag cgttgctatt taattactaa 360
tattattgaa tgccttagag gaggcggggc gagccctgat tctgaagacc tgtggcccag 420
cagagcctct gacagtaaa                                     439
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<210> 818

<211> 223

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400780

<400> 818

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atggctcaat gttaattttt taatatactt gcaaatacat tataataaaa taatacaacc 60
aatcaaaaa gcagccactt aaaaactgaa attcacaaaa tgagctgttc ttgggtacat 120
acagaaggcc aacattttaa ctgaatgata attaaacgtt tactaccata ggtaatat 180
acgcacttct gggccaata gaaggtgttg aatcaatgtg atc                                     223
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<210> 819

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400831

<400> 819

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gtattgaaaa tattttataa tcaattctct agaatcctag ccatccagta caggaaaaaa 60
ttatatggga aactttccgt atttttaaac aatgaaaaaa aatttgacta gaggatggca 120
taagaaat 60 acaaatacaa acttaggctt cctcacattt cccacagagc aactaaacga 180
gaaaaagatt tcaagaaatg acagtatacc tcgaatgcaa aattccaaag tcaaatagct 240
acttacatta agagatttac caaaacagtt tgtaaattaa acattaacag caaaaggcac 300
aaaaagccta tttcttttat ggtgtc                                     326
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<210> 820

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400834

<400> 820

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aattttgttc atttttatta acataggaca tactaaccaa atattatcat ttaataaaat 60
caacgttaca aagaaactca ctagcaaata aacaaacgat attcacttga ctcttctctt 120
ggttgaatga ttttctatta attagtagta cacagctatt tttatcaatt tatgcttaaa 180
ctgccttatg atttcaatga aatttcttag cttttacttg ttgaataatt ttttcaattg 240
ggaatctttt cataattcaa aatagttcct gaaaattaat gcacccctca atgtcttcta 300
cttaagctgg gtgcatttaa aat                                     323
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<210> 821



<211> 332  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA400864

<400> 821  
caaataattaa gtaaataatt taatgataga acactgaaat ttcttttagac acagtatttt 60  
caagttatat ttctgcctgg agtacagata tgaaatagca caaactgtac tctgaattaa 120  
gcaaacagaa tgaataaaaa aaaaatattc tcccaaccta agtttccgtt cctcattttcc 180  
acttgccctca gactctttct attgaacata tctagttaaa tctctaattg acggcctgtg 240  
ggaagattta ctgccaacag ggtatgactg acttctttcc ggacactgag caggggactg 300  
tgggctctga agcagtttac ttctgttgga ag 332

<210> 822  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA400896

<400> 822  
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catagaaaat aaacatgttt aaaaactcct tttttttaca actatgtaca ctttttactt 120  
ttacattcag tctttcgtag agagctttca gcattattat tttttgaact attaaagtat 180  
tttccttcac cctgtgcaca gggagttaac actgatggac ttttagacaca ttttcctttt 240  
ttttttttct ctttttctct aaccagaagc ttggaagaac acaaggaaaa aaaacagatc 300  
tggtatacat gataaagttg tcaaaaaatg tcttatttct agaaaagaag cttgtcatct 360  
gttgagctct tgaaacaatt attcaactac ctgtatttac taaagagact gttaaaagt 420  
c 421

<210> 823  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA400915

<400> 823  
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tttgagattt cacagagaac tgcattgttt tggtattaaa agacttttgt tgaaaaattt 120  
gacctttacc tcttatgaac gaaagaaata tagaggtttc aagcattttt gccagcacag 180  
agtcattcac aacaaccttc tagatgctta ttttcacact tttcctacag aaggtaatat 240  
tcagttacca gaaggccatc tccaccactg aatgattcaa agcttcagag ctcaaaagt 300  
atcagaactc acaaattagc ataattagtc caaagcttga tttaaatgtt tgaagaacag 360  
caaacatcaa ataataaat accaaataga atattatagt ctctatgagg taataactca 420  
tcagctacaa ccacctaaaa ctgaaatttt ctgtacttag t 461

<210> 824  
<211> 471  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA400934

<400> 824  
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atcaaagtga atagattgtg cacactcact ataagagagc tatgatatat gcagaagcaa 120
aggtgcaggg atcatgcaat agtttcgtac cagatttcaa gataccaagt agcaaggaaa 180
cacaatggaa ttgaaggctg aggtgaagta caggcataag gcaaggaaaag cagaacattc 240
aagatgtacc tatatacacc agttctttaa acacgcaa at catttccaat aaggcactgg 300
ctcatgtatt tctgttgagg cagaagtcaa tcttaggatg tggctctgtac atatctgcag 360
ataagattca caaaagctga attcagtggt attagtcctt cattcagatg cttcattttt 420
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<210> 825

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400979

<400> 825

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ccagaagtaa ggtaacttta ctcagataaa acacagatgg tagcagatag aggccacaag 60
ctcatgggat gccattccag agggccccctc acccacagag gagccccctgt aggaaggagg 120
cccaggcccc atccgcacag caagtccccg tgagggggctc taacacaccc ccaactccagc 180
ctctgggtcat ggacacagcc catagcggggc acagcatcat gatggaatgg actctgcagg 240
ccacgcatgg ctctctgggaa cccccagccc ctccccttctc ctcccagcct ttccagctgt 300
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<210> 826

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401091

<400> 826

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taaactctgt gcagttttatt ctcattacag tgttcaacca gtttgacata taaagataac 60
acactttaac agtaaatgtt gggaggcaca catatatattc cattctgaaa gaagacatgt 120
tatatatatg gaaaaaaatg cagcaaatat taaggatttc aaagtaattt ttttgaactc 180
agatgtgaca tattttacaag aaaagtgtgt acgtttttaa ataattaaat aatttccata 240
gacttataaa agaattgaga taaatattag gagaccctga caatcaccag aacattttcc 300
ta 302

```

<210> 827

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401151

<400> 827

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ccttctttta cctttatatt gatattttaa agaaaaagaa catgatggat acgggaatgg 60
gggaaggggac aacggttcta cgattaacaa caggaaactga taggaaccag aagctccaag 120
gatttataaaa aaaataaaa atatatattat acattttatat atatatatat atatcacgtt 180
atgtatgtga gtcccagaca agcaggaagc agcagcaaga agcaactagc acacagaaac 240
acccgtgcgt gtgcactaca ca 262

```

<210> 828

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401343

<400> 828

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aaggagtgca tgttttctca aatctgggag gttgggtcatg ttgggttttg aaacagaaaa 120
gttgggctgt ctcccagggtg gaggtacctt tctgagtgtc caaacctat acccagtgga 180
gatggagaaa gcttgatgac tgagtgaaaa tgaaggctag tgtcagatcc ttcacttgca 240
acacacagga tgcgcagggtc agaggacttg aaaggccacc tccaggcctg tccagagctg 300
atgactccag ggctccctct cctggcacca tgctgagagg tggcagccct actgagactc 360
tagccagaat caccttggtg ccgtaccaag ctggcaggaa gtcagaaatc c 411
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<210> 829

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401376

<400> 829

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tttttaccac aatataagcc tttattaata aaaatctttg gtagtaacag tatttttaaat 60
tcctctcaac gatatttggt taactaataa actccctcca cctttgagct acagaaaaaa 120
aatcctcaat ctaccatata attgatattt gaaaaaaaaa acccataaat attctaaagc 180
ttccagggga cccctggaag ccctaagact tcttgaaacc ctgacaccat ctgtgggaaat 240
gcttccgagg tcatctctct ctgcccattt tctgggtcaac cgggttttgtc ccataaggaa 300
gatgaacaac tctgagggtcg gcttggtgtg atggggggcag gtgtgtgggt gacagtgggg 360
agcctgctgg ggacgccaag ggtgctgttt c 391
```

<210> 830

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401562

<400> 830

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cccactgagg ttgagggtat ggccaggctg ggattcacac agggccagga tgaaaggagc 120
accgagtgtg ttgggggtgg ggtggctggc tttgatccct accccagtgg gttggccagg 180
tgatcagagc ctccagggtc cctcacacac agcctggtac atttctgccg tcagggcccg 240
aaggactggg cccggttgtc cagtac 266
```

<210> 831

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401825

<400> 831

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ttatttggtta aaaatgaaca gcttcagaat agatctaaat gtaacttttc caaaaaacac 120
caaaaagtac agtgtaaagc acctcctcgt taaatacaaa ctttcaattg gtgatgcacg 180
gcaccaatgt ttgcatata ccttgatgca aagaaaagt taagttgcat cctgttttta 240
aaaaaaaccg aaacttaaga actgaacaag gattacaacc acattccaaa aagaaaattt 300
tccttcaaca aagcatattg ttttgtttat atacaatatg tgaccaccaa gagttttaat 360
ttagttgtac caaaggcaaa acattatact taaaatttaa ttacagatgc atgaagaata 420
aaagtttaat gtatcaaaga taatttggtt ttaaatgcac tcaatgtcag tatttggggc 480
aatttttaaa gttttcccaa aaaatggcat gaatag 516
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<210> 832  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA401958

<400> 832  
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 ttacaggcat acgccaccat gcctggctaa ttctgtatct ttagtagaca cgggggtttct 180  
 ccatgttggc caggctgggc ttgaactccc gacctcaggt gatccgcca cctcggcttc 240  
 ccaaagtgcg gggattacaa gcgtgaccac tgcgcccagc cagtaactgc catttctaaa 300  
 gaggaaagag agcaggcaga gggtcctgac tcccagggga caggtagttc agctggacaa 360  
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<220>  
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 cctgctgggg gagaaggagg ctcgggacaa agtgggagaa gtgctgggaa gggctgagcg 180  
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 gggacctcgc tgctaactct tgttggtggg ggggtgtcctt agtgctgcca cctggagggc 300  
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<220>  
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 caactgatca aaggagagtc agtcaacgtg agcaagcgtg attatgatga ggaagcccc 240  
 tctgctttta tccacacaag gaacgtaacc tgaagtaacc tgatgttaac caatctgctg 300  
 tgtctactat gctgtttcct tgttctgct agtgctgctt tacaaatgca gaccattcta 360  
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<210> 835  
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<220>  
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 aaaaaaaact tttaggcaca agatttttaa aataaagaat gagacaatga aaccaagact 180  
 ggaataacag aagtaacaaa aactcacatt tcctaactct tcaattgggtc ttgtcttcca 240  
 acctattggg taaggcctga gtttcagaaa tcctaccttc cttgccaaat agaaacatcc 300  
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<220>  
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 ctgcaactgt accaagtcca gggcgccgct ccttctgccc gagcgaggc tgctgagtc 180  
 cgctgcccg gccagtctgt ccttctggc cctgaggcca acgtcctagc ctaggccttc 240  
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<220>  
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 cagacgatga ccatgccgct gggttcactg gaggccagta ggctctcgtc gcagttgaag 240  
 ctgacatcaa gcacaggtgc actgtggccc tgcagcttgt tgacagcagc cttggccgcc 300  
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<220>  
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 cagatgcagt ggcttctctc tccccacct ggggtgtggc ccatgggggtg gagacagaga 180  
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<210> 839  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 cttgttcctg cttaaattag ctgttatttt acaatacaga aaataccaaa aaattgcagt 180  
 cctaaatgta tgtataacac ccacaatccc cgcaatgaaa tagtttacia tactttactcc 240  
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<210> 840

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402642

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<210> 841

<211> 271

<212> DNA

<213> Homo sapiens

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 ggagacgtcg gagccttctc cagcacctt ccgagctggg cccacgggtt ctgttttgtc 180  
 ttttttagctg gactcacacg tatggacaga cacagacacg gacgggggtca ccgcatgggg 240  
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<210> 842

<211> 531

<212> DNA

<213> Homo sapiens

<220>

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 ttaagaaaca tagaaatcat gtgaattgta ttaaaactat gacatatgac aatattatat 180  
 aaagaaaatt ttaactctaa gagacaaata taatttttta aaaaagaaat taaaaatatc 240  
 acgtcttatg ctaaatatat atagatatat ttattatgat gcagcagggtt ttggaatata 300  
 gggatttagg caagttaaaa ataaaaagtt tatatgctta aactttctga atattgtttg 360  
 tctgatttcc tatttaaaata tcagacatca ttataggaaa tacatagtct actttacgatt 420  
 gcaatggcac tttcaaatat aaggcaatta atatttttaga aagcagcaac ttttactttt 480  
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<210> 843

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402937

<400> 843

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cgatcatatt atataaaaca ctgcaacctc cttttcatta catccttcat atattatgga 180
tccatcatatc atttttaaca aattagatga aaacagctag aaaaagtaaa cagaagtttt 240
tgagggacag ggccatgaga gaggcagaaac ccagggagca attttaaatt aatttgacta 300
aaataaagag tatagtcttg caaaatgtgt acggaaggga gtgggcacat gggaacaggg 360
cagagcaaca gcagcactca ggatcctttc atcagaaaagg ggaggcattc aggaagactt 420
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<210> 844

<211> 418

<212> DNA

<213> Homo sapiens

<220>

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<400> 844

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gacaagtccc cacacgtggc caaaggacag caccagact ctgcccctga ccagtcaatg 180
tgcagcaaac ccacttcagt aggcagaaga gtctaccctt agggagaagg cgccaggagc 240
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tactcccac tggaggcgct gtgtatgcag ggcccggcag taagcccagc tgcctacagc 360
caaggcccag cgacagacat cctccttcgg tagcagcagc agcctgtcct cctccagc 418
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<210> 845

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA403159

<400> 845

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acaccttaac aattatgaca aggcaattat aaataacttt ttttccttag taatatatat 180
ttgctttttg aagtacatta aagagctgcc atatctaggg ttagctagga aagagcaatg 240
gtaccatcct gggagcccac ctccttgaaa gattagactc caattttcaa aatcctaagg 300
tttactagtt ccataatata cagtcaagca gagggctact tgggttgaaa gtattgattc 360
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<210> 846

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404214

<400> 846

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agcccctgaa acacatggta gctagggact gaacacagga accgtatgac agcagcacia 180
accccaaag gatgttcctg ccttggtggc ccctgagccc cttggggagac tgagaatcat 240
gaccagattc atccagaact gctgcagtgt taagtgaata tcctctgtag ttgttctgca 300
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gaggaacctt ccttccatta gaaaatttct gctcaataca gaatggtcca catcacccaa 360  
 agtgcaactgt tggagatgct gtgaaattaa aacctctttg tacctgagac atctagattc 420  
 acctcaggag gcctgaagga aatgtgtaac ttgtgggaaa gaactagaca accatttagg 480  
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<210> 847

<211> 485

<212> DNA

<213> Homo sapiens

<220>

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<400> 847

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 taacataaaa ttcattgtcac ttatcacaaa gacagtcaag tgtataaagg agaaacaaaa 180  
 cagaagcagt atttacaatt ttaaaactaca tgagatgttg tgaacaatct tttgttaata 240  
 aacagcagct tacatacttt tacatactac atttcaaaaa tgcattctgtg aataatatga 300  
 taaagcgcgt agtggtgaag acttttaaatt aaatccaagg tcatcatgtt gaagacctga 360  
 aattaaattc aagggtgtag tgatgaaaaa tttaaagtca aggtcttagc gataaagact 420  
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<210> 848

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404252

<400> 848

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 ttaatcttat gaaatcatct tgagatcatt catgggtcaag ccatgaaaac tcccatcttc 180  
 aagcctgcct gctaaagctt ctttgccctc ctgattgtga ttatggtaac aatttatatc 240  
 agacagttgt actttttgat aacttaggga aaacagaaat gacttgaaca agggattgcc 300  
 tgcctcactg cattgcagag atacaatttc tgtaaagaac acaaatagca gttgtgaata 360  
 ttaagggtgtg attatctttc cctgtccatg tgcttattga aagaagatag tgaacaaatg 420  
 attatattga ggattttttt aattttataag atctaattgt aaatccacac ttggaacttt 480  
 ttagatctgt ctggttgctt tttaatatat ttcttttatg acattactta aagtttaaaa 540  
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<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404338

<400> 849

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 acagggtcaat atcgtaact caggaatgtg ctgcacaaac tttatccagt tagcagtgat 120  
 caccctgtga cccacacaca gtttcgatat aagcctagaa agtcttaaca ttaa 174

<210> 850

<211> 528

<212> DNA

<213> Homo sapiens



<220>

<223> Genbank Accession No. AA404352

<400> 850

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aaattttaca gagataaagg gtatgtttgt tgctcacaac ttacaaataa taataaactc 180
tttattgtaa atattcttta ttgtaaatat tctttatcct aaattccata tagccaattg 240
attcttacag aatattttgt taatattttt ttttttgcca aaccttgtat ccaaagtcaa 300
ctatcactgc gatttgGCCA tgatttgaca aaattagact acgaataaaa atccctgata 360
actgtacagc taggcactga agaatgggta taggttcggc atgaatgctg gttgaaattt 420
ttgtttacac tagtgaggaa gacaaaagta aaacaatgaa aatgaatgtc agaactcctt 480
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<210> 851

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404487

<400> 851

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acagggatag agatagggtc agcaaaccgc acacggtacc tcaggggaaa ggcaataagg 180
tgggtggtag gcacacaggg gtttgtttat tgtcattatt attactcttt atactttagc 240
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<210> 852

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404500

<400> 852

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atgaatttat attttaactt gccatgtttg aaaatataaa attgcatcag aaaaaagtat 180
tatgaaaagc aagaaacttg aactgataaa gctttgatat aacttttagt gatatactgg 240
ttgaaaaaga actaatttaa aagggtacagc tgagtagctt aaagg 285
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<210> 853

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404560

<400> 853

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gtttccagta atatctatat ctctaactag aattaagtct tccaagacat attacctgga 180
aataaaagcc tgttacaata agcaaagctt caaccagagc ggctactttt cgtgccagga 240
aaaagttcat ccctataggg aggaatg 267
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<210> 854

<211> 269  
<212> DNA  
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<220>  
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gggttgatga gcgactctcc tggacaccg 269

<210> 855  
<211> 318  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA405098

<400> 855  
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ttatggcctt taaaactatt ggacaaactg atgctattta acattgttca cagccattta 180  
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agtagactgc tcttctca 318

<210> 856  
<211> 357  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA405310

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ctggagacat gcaattcttt ttatacaagt caatgcttaa aacagcaggc acttcatgtt 180  
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<210> 857  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA405460

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ggggggccag agcaagaccg tgaccgcggc gggccagtag tcgccaggga tgaccatgag 180  
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tcagggcgag gggctgaggt cacacctcg cactggact cctggccaat caaggcttgc 300  
cagctgggag gccccacacg aaagactctt accattttat taaaaacgca aggacctcag 360

agacgttctt ttctgtatgg acccttcctg ccatttgtat tttgtcccag agag 414

<210> 858

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405494

<400> 858

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aacagccaaa taattgccta cttttttgaa acaaacttgg tttttaccac agcagtttca 180
ttttcttttt ccaaaagtct taacacaatt ttgtaaagta aatttctaac gccagagaga 240
ttaagttcaa tgaccatagt atatgctact gtttttaaagc aaggtttaaca cacacacaca 300
cacacacaca catcacaca cacacacaca cacacaaaat ggaactgaac aaaagtcact 360
acttaatact tt 372
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<210> 859

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405495

<400> 859

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ttaaacaatt tcgttagtgg atcacaaatag cttctaaaac tgcctttcta gtaaaggcca 120
tcagagaggt aatactaaac tgtgcatttg ccaaataaga atatgaattg tataaaagct 180
catttccaat cctagatcaa atggcaaaaag ttctacaaag ttgggtttcca tgtttgtata 240
aaagctccga ctgattttat gtattttgct atgaaattac ctttgggtct tataatcagt 300
atacctctac tcaggaatgt gcaaattgatt ttatacagca cgacgctagt accgctctgt 360
atgacagtaa ggttttt 377
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<210> 860

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405505

<400> 860

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ttacatcata tattattaaa catttatgac tacaagaaat tcttgaagct acttctacat 180
gtgatcatat caaagtataa attttgctaa caagacacgc tgtgtaccac cttacagatt 240
tatagtttat gcggcagagt tagaaatctg tgacaagtcc taacacttgt cacatctcaa 300
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<210> 861

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405544

<400> 861

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gcccagaggc agggcctaaa ggaggtgcag agactagggc cgggagtggg gaggcaagg 180
tggggcc 187

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<210> 862
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<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA405715

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tgacaaaagag caagtcaagc caaggaaaaa gctctcacaa agaacgtagc tctgttctct 120
taaaatgtgt aactgttttc ctggtagagc aaaatttctt gaaagggggc cagttgcgac 180
tttaagcagc gtttaaacag cctgcctccg tgtccagcat ttaaatacag acaagagaat 240
cggctgcctg tgggcctgcc tgagcctcag cctagcttgg agtctgaggc tccaaggagg 300
cctgtgtgta taagccatcc catgggcacc ctcttgaca 340

```

```

<210> 863
<211> 455
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA405744

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<400> 863
tttttactgt atcttatttg atgatattta ttttctctgc caagctgtat agtaaaagga 60
aaataagtca catctgggtca ttggcatttg tatcgtcatt ctgtaaagac aaaagagtac 120
ctatataaga agctccacgt agtgcaaata gacatctggg aggctgctcg ccccaggca 180
gcagctagag tctgtaattc tctgcgtcat cctcttcttt ttcttcattt ttgctttttc 240
ttcgcttgag ttcttctctg aaattatatg caaagagttg tgggtcttca tcacacattt 300
ttctgtatac atcacagagg ctcttaaagt gtgagatgga gagctggcgg ggccgaagag 360
tagggctcat gtctgccaac tctaacagcc tgcccgtgct ttccaagcgc tgcgcttcag 420
ggaataacat tctgagccct cgatggcagt atttc 455

```

```

<210> 864
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA405791

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```

<400> 864
attagcaaaa ttacttttatt ctaacaaata gtttaacaca aaaatacgaa ctagccctcc 60
agggatcttt ggggtctacg ctteccatcg cctcagtgtc cgggtgcatga ggaaggtgtc 120
ctctgaaggg cggggccgga gttgaagtcg gagagggggc agaccgtcca gggtcagggtg 180
tgagatttca taaaatagcg tttctgggtc acacaagatg gtcattgtctg gccaggccc 240
aggtggctcc tggtgggagg ttggggccaa agcaagggtta cactttggga ggaaggatcc 300
gggtaagggg gtacatggag gaagccccac gccagaccc catcacctt gggtgcgggg 360
ctcgagcatg tgcggcaagg agagccaatt tctccctgag cgcggcattc agaacctgtt 420
cctccgg 427

```

```

<210> 865
<211> 406
<212> DNA
<213> Homo sapiens

```

<220>

<223> Genbank Accession No. AA405819

<400> 865

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tttcttgggc gtcatttatt ttttgcatag gcataaatta ggatctggag ataaaaaact 60
taagaaccaa tagtgacgca tttgtgacag gagagcgcaa aacaaaccct ggctgcctcg 120
ggatggagcg gggcggcctc accaccaactg catccagcct catgctccag agcggatttg 180
aggctcagtg ctgcagtga ggcctgccc ccttcttgcc ccttccccgc agccagacca 240
ccagacacag ccggaaccag tgccccaggc ccctctccac ggccaggaac aagaaactga 300
gtatcaccca gtgccccaca gaacggggct aggaatcaag cccttagctt ttcagttaga 360
aaaacagacc ttgaaaaata tatacataat acagtggggc ctgctg 406
```

<210> 866

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405832

<400> 866

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ctaatttaat tctttatcat tcaagtagag agacaggcat tttccaaagc aaaccaacc 60
ctcgtgatta tttctagcca ggggtgaagct aagggaaggta gcagtaggtg gtaggatcag 120
caccttggtt ccaggcatca cgccagtcat tttatttcca tcatcatcct tgtgaagaaa 180
tggaagtctg gagaggtgaa atgatgaagg caatctggcc acaaatcttc cttctggatc 240
ctgctcttca gggcatgcat ctcccatgct gaaggttaaa atgggggtca tttgccaaca 300
aatattgggag tccgcttctc cctgaaggct gccatgccct ctagccggtc ccgggttcgg 360
aatattctgg gcatagcaca tcccttcaat ggccatccca gatgcaatgt ccacctccgt 420
tcctcgggtca atggctactt tgcccagccg cacggcaatg ggggcctggg gaag 474
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<210> 867

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405907

<400> 867

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ttttgcaggg aaagaagtca ggttttaatg gtattgatat gtgagcagga catcctgaca 60
ttgaggtggc cagaagaagc cgctggaagg aaggaaatggg accacaccac ccaacgctct 120
gggcacatga tgctcaggtt atgtggactt ttcatttttt tttttttttt tgagacaggg 180
tctcactctg ttgcccaggc tgctggagtg cagtggcatg atcacggctc atagcagcct 240
ccaacttctg ggctcaagca atcctcccgc cttagcctcc agagtggctg ggactacagg 300
cgtgtgccat ggtgcctagc caacattgat cttttatcca gtgccaccac acacacatta 360
gcacctcaaa ggtgggaagt cagtcacag tcctcccctg ttgtc 405
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<210> 868

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406125

<400> 868

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tttgccattt aacatatatt tattgaaatc tacttgatgc aaggcactgt gctagatttg 60
gtaggggatc agacatgaaa ggccaccctt gtcttctaag agctcacaat ttaatgggtg 120
ggggagggtc gaggaggagg ggggtgaaggc aagtccacaa acagctctag tgcaaggctg 180
attatagtga gtgccagaaa acagacaagg taatgagatg ggggaatgag aaaaaagtgc 240
```

caacaaccaa cggaataaca aactggggtg ggacatagct attgttctca gagatacgca 300  
aatgacattg agggccaagt tt 322

<210> 869

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406126

<400> 869

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tttcattaaa gaatttaata gggagttgat tatgtttag aatcatatcg tcctattctg 60
tgacacatta gaaacataaa ctttagggct ttttcatctc cacagcatag aggtctgac 120
gcttctgtct aaaaacgggg atttgctggc gtatttcagc cagcttcttc aggtctatgt 180
ctgaatacac gattgcttct tctgtgccag ctttggctag aacctcccc caaggggtca 240
ccacgggtgct gtgtccccag gcaacatagg aggctttgtc atcccgggca ggagaggctg 300
tggcacatac acctgattat caacagcccg gcttcgctga agtaactccc aatgggctgg 360
tccagtggtc agattaaaag ctcttgata taccaacagc tggcagcctc tctgtgcgta 420
gattgtgca agctctgcaa accgcatgtc gtagcagatg cccagaccga ctctgcagta 480
agctgtttc 489
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<210> 870

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406145

<400> 870

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ttttttttta gggttcagtt ccagctgatt ttatttcctt ctcaaaaaaa gttatttaca 60
gaaggatatat atcaacaatc tgacaggcag tgaacttgac atgattagct ggcattgatt 120
tttctttttt ttccccaaa cattgttttt gtggccttga attttaagac aaatattcta 180
cacggcatat tgcacaggat ggatggcaaa aaaaagttaa aaaacaaaaa cccttaacgg 240
aactgcctta aaaaggcaga cgtcctagt cctgtcatgt tatattaaac atacatacac 300
acaatctttt tgcttattat aatacagact taaatgtaca 340
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<210> 871

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406216

<400> 871

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tttgtaaaca ctttaaagac agaccacaa tgcctttcaa agatgaaaaa gaaaatgccc 60
tttccctcct gggctgaggg gtgaggggaa ggatagcagt tgattcattc ttctctcaa 120
cttgctctca tccaatttgg tgtcctcagg gaggaaggga gaacctgat ctggaagtca 180
gtgcagaagg ggtgccctgt tcccgtgggt gtcccaagct cagctctgcc ccaggggccg 240
gtgagcctcc tccctggagc aggggcgctc tgtccctttg agaggagtca gcaagcaagc 300
ccgcagggtca gtccgcaggg tggtccggac aagatctgtt cacttcaaac cacgagtcta 360
tgcagctttt gtgatagatg cacaggcagg gcagcctggc tatcgtgtcc cctgcagca 420
gctcctccag gcagatcaca cactcac 447
```

<210> 872

<211> 419

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA406218

<400> 872  
tttaaagggtg aaacattttt atttagtttc attacagagg ttaaataagac ttttatgaca 60  
tccatacaaa atatagcaat ggttggtgggc ataaataaga attgttctaa ctattctaac 120  
tgattttata atgcacagct ctttcagttg attacaaata tgaagtatat cacctcagga 180  
tgcagagatt tttgaattct atttagcaat ttccaaaagc tgaagtctag aaccgaagac 240  
acatatataaa agatgatttt taaatgggaa cagccacctt gaaaaatatt ttgaaaaaca 300  
tgatttaaac tttagaaaat aaaactttta atacttaaga gataacatga tgcaaacgtt 360  
gcttggtggc ctgactttcc aggactaaga ccctctggga atcaatgggg ctcggtgac 419

<210> 873  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA406231

<400> 873  
tttttgggta gggatggtat gaatttaata ttttttagta ttacaatata ttcttataaa 60  
aaagggtgcaa gtgaaaaagg acactgtaga ttatgtccat tagcctcatt tgtcatctga 120  
ggcagctggt gagaacagcc ttgggtcgaa ggcattccctg gtagaagtcg ggggagatag 180  
atagtcacag ttccccagtt ggtggaaatg ggatgggagt agggagaggc tggaaacagac 240  
ccttccccat tcacctggag aattttctcc tcccactgcc ctaaacactt tatttccatc 300  
acaggggaga aatgctgctg agaaggttgt gtttgtttag ttgatgacga attttacatt 360  
ggccacaaaa ttagctagag aaacttatct aaagggtggc ggagcagtgg ggagggcatg 420  
aagaaagcaa gacc 434

<210> 874  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA406363

<400> 874  
tttttgagat aattgaaaag ttttattata aacaacataa gcaaaaaatt caatgcagtg 60  
ggggcagaag tgtgtggatg acctgccaaa caataagtat tcaaagtgtt gagtgaaggga 120  
ggtgaggttg caactatctt tctctagaaa agaagagaac tgggtattca tcaaattggt 180  
taaattgagg ttcgtcaaag agtttctaca gatacagctg aatatactaa acattgctct 240  
attatctgtt gaattgctgt atttcacttt ttcagcattt ggggatcatt atttaattga 300  
attttagtag atcgattttc cagacaggtc tctgttcttc aatgaacaaa tgataagaaa 360  
caatttgact ctttatatga caatggaatt aaataaattg acactcatct aggaataatt 420  
ctacaatcat ctccatctct aagattacct actgcaaaaa 460

<210> 875  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA406384

<400> 875  
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gatctggctg tcagtcagtg ggagccaata gatgcaggga gctgccttgg tctttcggaa 120  
aaggctatcc agcagcttgg caggtgggtc ctctctgggt ttctctttct tctcactctt 180  
cttttcttta gacttcgcac gttccttgcg gcggcggtca cgggaccttg atcgggaacg 240

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gggcccttct cgaactttgt cccgatccca ttcacgctct gatcgagtcc gctcccgcgc 300
ctccatttcc cgttcccgtt ctgccactg tccccgact gcccgttcct gctcccgcgc 360
ctctgcccgc ggggtgctgt gtggctggac cgggggtggg ggtggggggg gcagggggccg 420
tggtattccc tgctcc 436

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<210> 876
<211> 450
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA406385

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<400> 876
tttttttttt aacaaaaatg aactaaagag ctttattgac atcacagtac attcaagaat 60
aattttaaga acattacagc tgaaagagaa tggcatgttt atagtcttat tatgcactat 120
attttttttaa aaaaacgtaa tacaagaaaa tcctattaag taacttggag cagcattgga 180
aaaagtacac ctattttacag attaaaaaaa aaaaaagatt ctggtttcac ctacacagcc 240
acaatgtgcc tctataatga gacaagccct taaaactcat ggaatttttt taaagaacat 300
catggcattc ttgccacatc attcctcagc gtttacgacg gggagggggt gttgatctga 360
aaaaaaaggg aaaagacaaa atttaaaaat aaaaatgtat tttaaattaa aaatctgcaa 420
ttttaaataa ataattattat ataggatttc 450

```

```

<210> 877
<211> 468
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA406435

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<400> 877
gaatctttta tgaatattta attaggacct tttcagacag tgtaatagtt tggggaaaaa 60
agatgccttt ttccaacaca ccaactgagtt gaagaggatg gaaaaagtca acagatgagt 120
ttcctgtctt tcccgcagc tcccttaaac catttctgct tttcatttct tctccttttc 180
ttacatctct gcactctgtg actctcctat cgtctccagg agcaaggcag agacacattc 240
ttgtctgtga gcagatgact tgtctagaaa tcatggacag cctgcaagtc cttccagtc 300
tcccaagaat ctgacatggt tttaggcaga gaagaggctc agaggcctgc tgactcaaca 360
tctcttaca ggccttttga gtttctccag gaagcgctga ggttttctca gaagtcaaaa 420
aactttttct gtattgtttg aaagctggct cgactccctg aagccgtg 468

```

```

<210> 878
<211> 477
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA406542

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<400> 878
ccaggctggt ctctgtggtt tttattagt tttcctggga cccatcaaac aaataaacat 60
attttgaaaa atataattct ttgacaaaac aggaatagca ggaatagttt gaatttaaca 120
tagcttagag ggaaagattt ctgatttttt ttaaataagta gcaatagagt tgtttccaca 180
aattgtcaac ccaggagcca gatggaaaga aaaacaagaa ttatgcagat aactacagaa 240
agattaatcc caatttagtt aaacttgtga aggcttgtag gtttcagagg ttcataagac 300
acagctctca caggagtttt ttttaataaa tgctctatct ctagtccag aaactgaatt 360
ccaagaagct acactgagga taattcagct ctgatattgt gattactgtg atgttctttc 420
atccatacag taagtatctg cccaatacgt aactaccgag atctattgct tcctaca 477

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```

<210> 879
<211> 497

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<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406546

<400> 879

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actactactt cctgttttcc cctttactac tacaatttaa gcctttaaaa atggcaattt 60
tttagatgct tgagatagtt tgggggatcc ctagtcttta tcatggcact ctgttgagtt 120
tgtgaaatgc atcttcaaag aggttggtcaa taatatgcaa atttttgaaa actagtgaga 180
ttactaatta ttgatgaata aaaaatgagt acttttaatc tgccaagtta aagctctaga 240
attccttttc tccagtaata actcgcagca tcaactacaa tggaagggac ctaaggaata 300
ccgtgtacac tgatatacac gaagctgctc ctcatTTTTT tgtcagatta caaaagctgg 360
gctcatgtag ttatggccta tggacctctt tttaagttat tttagcagaa gtagatgatg 420
gtctacacct tgctcctctt ttatattaac tgtccctaag ccactctgat gactattcta 480
atcaaaatca gtatagc 497
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<210> 880

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406610

<400> 880

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tttttttttt tttaaagaca ggttctcact ctgttgtcct ggctgcagtg cactggctat 60
tcataggcaa gatccatta ctgatcagcc tgggagtttt ggctgctcc atttccaacc 120
tgggctgggt tcaccgctcc tgatgcaagt ttgtggtttc ctgcttcagg gacatcacca 180
tattgatgcc aaacttacac ccaactggca tagtgtacca cagcccagaa ctctgggct 240
ctagggatcc tcctgcttca gcctcctaag tagctggggc tgtacgcatg tgccaccaa 300
cctagcaatt attattttta atcttagaaa ataaattgtg tatagaaagg aatagtttagc 360
acatttatgt ctaaagagga ataaaaaagg acaactgggt ttacacaaaa tgcattgaag 420
tgactgattt gaagcagcct atcaagtaca ttcaaaccaa atggcacagg agattgtcat 480
ctca 484
```

<210> 881

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410181

<400> 881

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gatttttttt cctttgcaga ttttttttta agtagacata gtcttttttt ttttttttta 60
gtagacatag tctttttttc tttctcattt tacagcaaac attgcaaata tagaaatatt 120
tttttctgta caatagaacg actacagtgt acatgggggc tgggctgggg gacgtgcctc 180
ccagcccttg gccgtcctgg caccocggcc gtccacaggc acagcctcca cccaccctga 240
gtccagcagg gctccaggac ctgtcccgga tgccacttgg cgccgcagtt cactctgccc 300
ctctgcagtg gactccggag gcggcaatga agagacggac tggacagaga atccacagaa 360
aaccacggac cgaggagatc acgtgagggg ccccgagg 398
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<210> 882

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410255

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA410523

<400> 886  
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atccccaggc ccagggtctg cgatgtgctg ggaagggaact taggtagaga ggtgggaagt 120  
gaaagcatag ggaggcatag ccctccagag gggaattcta agacagacag ttgaaggatga 180  
ggccttttgaa aaacaatggg aacatcacct cccaaagagg gactgaggtg gctggaggaa 240  
ccagagccgc ctctgcactc tgcaccgagg gtcgcgtgtg gctgtcagga gacgagcgta 300  
a 301

<210> 887  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA410962

<400> 887  
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aacacaggaa gctggggctc ctagcaaaaa tatacatttc aattttggag attgttcaga 120  
cactgagaag agctgtatcc tcagcaccag acccggttg gggcaggac gcggcatgtg 180  
gcgcgggagg gggagggtggg tcccagcagc tgctcccttca tagccttggc ctgaaaggaa 240  
gcacccaac ccccatcagc tgggtagggt gggagcggga agaactctgc cagcagagag 300  
tgatcctggg gcatggaagg gaggtgca 329

<210> 888  
<211> 425  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA410972

<400> 888  
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ggaacttttt cccttcctta ctccaggctg taccctggcc actcctttcc ttttggtctg 120  
ccaatgtctc ctctgtaggc tccagaaggc tctcagggat gcaggcggcc tcctgcaggg 180  
ttgagtgtga atgggaacaa agacagctgt ggtcccatag caccctcatc tggtgacatc 240  
ctgctactga cagtcaaaaag aagccttccc agatgaaatt ttagtctctc gcgcagcatg 300  
ctcttcttcc agcaaaaagag ccatgtgcag tgggtctgct tccccatggg ggctttgatg 360  
tgggcagc agtggatcag ccttccagac acgctcaact ctgcacactc ttcctgccgc 420  
ctcag 425

<210> 889  
<211> 267  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA411502

<400> 889  
tttttttttt ttttttggtta cacagctctt taataatagt ggccatagct gtaataacaa 60  
tgacaacagt aggtaacggt agtcatacca acagtagggc agtgcatttt atattacaac 120  
tgggttcttg ctctagtagg cttgggggatg ggtgaagacg gacagggtg gcgcagaccc 180  
tttccttctc ctctccagcc cacagtgatc tgggctttta caagacagcc tgcttccatt 240

cagtagtggtg ggaaagttcc ttcttgg

267

<210> 890

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411685

<400> 890

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attttttagt gcctttatta actcatgaaa agttcacttg ctataaatag agccttaaca 60
taaagtgatt ttcggttctt tagcacaatt tttaaaacaa tttctccaac agaattaagt 120
gaaatctcat ttatcttaaa gcaaattaga ggacttataa aaaatctttc catttctata 180
gagatgaagg aaattttaat acagtgggtc tcaaactggg gtccctggac cagaaacatc 240
tgcatacctt gggaagtgat tagaaatgca agtgatcagg ccagaccctc tgaatgagaa 300
attctgggtg tcgagcccag cagtctgttt caccaagccc ccgccagatc gttttgctgc 360
tgctgaagtt gaagaaccac tgccgtaatg a 391
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<210> 891

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411764

<400> 891

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tttttgcaga gatggggcctt tgatcatgtga cccagccttg tctggaactc ctgggctcac 60
gcaattctcc cacctttgcc tcccaaattg ctgggggatt acaggcgtga gtcaccatgc 120
ccagcctagg atgagtttag taagatttgg ttatgctggg gagatgggaa aagccagggt 180
aggggcacgc aggctggagg aacgggggtc gtgggggtgg atggatagcc atggaggcag 240
aaaggagcct ctgcaggaag agtctggaag agcgaggagg aagcggtagg gcaggggagc 300
actgtggaat ggccctgagg ccaggagggg ctcaggatga ccaggcagaa acagagcggg 360
tccagggtgg aggggaggc 379
```

<210> 892

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411795

<400> 892

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tttcaatcca tgaaataaat atttatattat gtaatacaat ttgctaaaca ccaccattat 60
taaggagagc actaggaaaa actaccaaac acagcatgtg aaacagttgg gcacggtggg 120
aaagggcaca gactctggag ccacagctgg ctaatacact gcaatatttt atgttttagca 180
aattatagct ggtctgtgta taaccagaag agcggatatc gggggatcag gatattctaa 240
ttctagactt acagcctggc cctgaatcta actatcaatg ttgccttgga aaaactgctc 300
aaacttttga tgtctaaagt ttcagacttg taaacttgag agggttgagg tccaagggtc 360
cttaaagtga aacttttaaa tgcttttttg ggaatctttc aaatcttcaa gctcttcaaa 420
gtgca 425
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<210> 893

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411813

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 ggccccgagc acccgctgcc cgaagcagcc cccagaggac agacggggccc tgcgcactga 180  
 ggtagctgca tcttaagccc ccatgagtac aactgcccag ggctgcccac tcccagagg 240  
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 cctcaacaaa cctcccagcc tctcggtctg 330

<210> 894  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA412034

<400> 894  
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 acacagggag gtcaggaaga gagagaaagg gacccatggg ccaacgcctt tattgggtcc 120  
 agggcattat ccaaacagag ttttagttgg tgggtttaaa gcaagcaggc atgcattgag 180  
 gaggtcacac agtgactgag agatagtcac tgtggcatgt ctgtgtagtc catgtgctgt 240  
 atgaggggtg ggggggtcag tcaggtaggc catatgtaga tggcccatag ggaggtgggt 300  
 accaggagga atttatataa ggcagatatac tggatcaacc acattgaggt atagaactgg 360  
 aaactgtgtc ggggtgaatga gccctgcttt ttgtatgaga aagtccagct tgtatgcaga 420  
 attata 426

<210> 895  
 <211> 521  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA412063

<400> 895  
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 cggtttgagt ggaacagctg agaaacagca tatatatatt ttaacacctc aaaatagttt 180  
 gaaatgagcc tcacagcctt gttcaatctt cagattacaa ataacattga tagcatctcc 240  
 tgtggccttc agttagtagt gccagttaat attgtttctg aaaactttcc tctcaaagtg 300  
 ctggctataa ttttttttcc atccagtaca cataagaaaa ggatttagta acacttgggc 360  
 aagtaataaa ctgtagaact ttaaaagtag taaaggcata taccaagcat acgtgactcc 420  
 acacattgtc agaaaggcag tggactggct aacgagtttc tgccaagttt cagaagcaaa 480  
 gaatgcacta atgaaaaggg taaggcatcc aagcagagtg t 521

<210> 896  
 <211> 522  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA412068

<400> 896  
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 gtactggagt tcattaattc tttcaccaaa agcacatcac tgaaggaaaa tcagaagtgg 180  
 ttttttagtt attattaaag tagttcaaga cccagggaac cccttgagat gaaaacaaaa 240  
 cagtattcaa cttttcttca caagactacc ttgtactggc aagacttaga ggacttctgg 300  
 cttgaaaaat attgcttaga aaacttaaaa aaaaatcaac aacaactata ttttgacaaa 360

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aacaattttt ttttaattctg tcttgtaaaa tccttacttc cttttgagtc tctgatggcc 420
acaacatttc atttgagatg tttggcagtc acagcttcag gggttatggg tactgattat 480
ctaaaccctc taggtcagaa tgaacaaaca cagttcatgt aa 522

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<210> 897

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412149

<400> 897

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aggtccaaat aatgaagatg tagaaaaaca acctacagtc ccattataac attttgaaat 120
tcatttataa aaaaatttac agcagctgta aagtttcagt atcgtaagga caacgtgatc 180
ctacaaacag ccaaaggatg tagacaagat gtttttctgt cttccaaata acacaaactg 240
aaaagaaaag cctttgcttt tccttggccca cataaaacta gtatttccac actactggtt 300
aataacccca agaaaccttt gcttctctt 329

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<210> 898

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412184

<400> 898

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agaaagagca tcttcatttt tgtttccaca caacacttct ctgtgagcct gttggccaac 180
aaagtggcgg ccgattgttg gaggagccag ccaaccatct tgtctaactt cagattcttc 240
agggctagaa tatgttcacc ccagaggctt agatgaagca catttgcggc tactcgggca 300
gatggctctt tgctggcctc tcgctggagc agtgccctca ccaactgtct cacgtctgga 360
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<210> 899

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412301

<400> 899

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gaaccgctga tttgttctgt gtcagacctt cccattcatt gtcttgtcat ctcccacagc 120
ctccagaatg ggaaaataca catcattgca tgaaagaatc agtattaaca aaacattaat 180
gacattccct tccccatccc tgtggatcaa ggcaagaagg gccattcgcc gatgcagata 240
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caagt 305

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<210> 900

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412403

<400> 900  
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gaatcttagg ctccagctct gggcctcgtc ctaggaaaca gccaggagc tctctagcca 180  
ccctcgtatg ctaaacacct gaggacgaag ctggaattct tctttacaga tggggcatgg 240  
ttgcacggag tccccttgca ggagagagcg ctgtttcacc ttctccatt catctgatga 300  
cagtggaggt ggtggaggcc caatgaggcc caacttctgt gccaaagtca acggcggcgg 360  
ttt 363

<210> 901

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412405

<220>

<221> unsure

<222> (1)..(279)

<223> n = a or c or g or t

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cctgctgttc gggcgtgggg ggtggggggc gggggcactg agctgggcat tctgtcctcc 180  
tccttgatg tgcagacatg ggccatggtt nctgacgnac ttcacatgtg aacctggggc 240  
ttctgtctc ctccttgat gtgcagacat gggaccatg 279

<210> 902

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412481

<400> 902  
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tctgtatata tttcaagtga atcatttaatt gtgagttagg cttagtagg tgttaccata 180  
agtattaaca gaagaaaaag ggaaagcaca aacattttcc ctctaccaga aaagggtctg 240  
atgtaagata aactagcctg ttggtttaac aatagctcat taaaaaggcc agagaatctg 300  
ggagaagatg tacttggaag cactgtcctc tgaggggcca ttcccaaggg acagcaaaat 360  
actgaaaaaa attaactggc 380

<210> 903

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412520

<400> 903  
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ctgactggaa tcttgagtgt caggagaca gccccacat gtgaccacc ttagtatttc 180  
caacaggcat ttttccaaga gtgagttttg gaacattaaa ttaagagcaa attaaatttt 240  
ctcaggcttt gaggggctg ggctgaattt ttttaattga tagagttag aatcaacgat 300  
ttaaagctca gtgtccctta tatgggtcta attatgaaca tgccactatg tccacattag 360

aattgaactg attttgtaac aagttatattt ctatgaaacc ctggaagggtg gtgaatgagg 420  
gaaagtgc 428

<210> 904

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412700

<400> 904

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aggaactggc aatctaacag gatggcaagt ggttttgaaa catatagatt ttcaggatgg 180
aagtttgatt cttcagattg tgactcatcc gtggaaaata aacgggttag cacctaaatc 240
tgtatattcc catcagtggc ttggctgact cagttgtaaa tagggtagcc tccatctgtc 300
tcccacccat atgctccact gtccccaggc cctcagtggc tgagccctag ggggattcga 360
gttggtgctg ggattcattt cctgcaagca ggcttgcaag gtgacctgtc tctctaagat 420
ggagagctgg agaactggcc tgtaactgca aacttaaaact cccttggctc tggggaatgt 480
aaaggggtg ggaaggggtgc acctgtggcc aggtgaacct gggagtgtgt ccatacacia 540
cacacac 547

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<210> 905

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412720

<400> 905

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actggctatg ggaatgggta cttatgaaat ctaaggggtg ggtctcctga tgaactataa 180
ctaccagta agctcttctc tttggcactc aatatgacca ctgctggcat gaaaggggtc 240
acagttagta cttcaacttg gccaacagtt cttccagttc tggctgagct ttgaatcgtc 300
ccttgaagtc ttcttcagtg tgctccttca ctgacagtct gactccttca ggaagactgc 360
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<210> 906

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416723

<400> 906

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gtctgccttt tcattccctt gtccctcagt gctccaatca ggtttccagt ctcccagagg 180
tttcttttag ttttgattac cgacccaaac tccagtttag ggagaatgga agtccaccgt 240
cccattccca ccaaaacata tttcagtcaa acccaatccc agtccctaaa gaattaggaa 300
agtatgggccc aagggtcctt ttaattatac acacatcacc cttaaaaactg cgtgtgtgta 360
cgagaata 369

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<210> 907

<211> 372

<212> DNA

<213> Homo sapiens



<220>

<223> Genbank Accession No. AA416740

<400> 907

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tatcatctat tcatgcaaca gcagtactat tactccacct ggacacagtt aaactcatct 180
tccttttcaa aaagggatcc aattatttca aaaacctttg aagcagagga tttgctttat 240
taaagattat cttctgttag gcaacactgg cacccttgtg ttgcagaaga tgattacgtg 300
gtggttttaa cactgggttg aaaggaatgt gcctcataaa aacaggaagg aaatcaatac 360
cagatctatt ca 372
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<210> 908

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416873

<400> 908

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aatctatggg gagctttatt aaataaacat aaagatgagg atttaaggat acacacctgc 180
attctatcat agtcattttt actctacctt ctgggtgtgt aaggatggaa aagacacatc 240
aaaccgaata aacaaaatcc attcataccc tgaaacgttg gcaggccact caagggactg 300
ctcagaacgt ccacctcatc tcagatggcc tcaccgtcta ataaaattaa aactgatctg 360
ttggcctctt tgggtccaaa attatgtata atacatttaa ctgtattctc tttttttttt 420
ttttgctgct ataaaataac tttttttcaa tggcagttct gactaatctg cacttaatca 480
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<210> 909

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416890

<220>

<221> unsure

<222> (1)..(491)

<223> n = a or c or g or t

<400> 909

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cagggcagtg tcaacttagg cctctactcc atggctgtga aaggacagca gcctcaaggc 180
agtctagctc ctgggcacag gcagccaaac cccctcccat atccagctaa accagctcca 240
ggaaaggaga aggtcctgtt tccccggcat ccttggggcc cagggactgg ttctttcacc 300
ggatgatctt gcctgggtga accacagcag catttgggct ttttcatact ttctacatc 360
aagaactttc ccaaagtgtg gccctgggcg taaggcaaaa cagtggcctt ggccaaggct 420
ctgggcctct gggagggtcc catctggcat caggtggcgn acaaacaggg tgtcagcacg 480
gagagagctg g 491
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<210> 910

<211> 418

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416936

<400> 910  
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tacataaaca tataacagat atgctctaca tgtgtaatTT aagtacatta atatgagcat 120  
tctttatggg tatacatcat ataaaaataa atcatttttca tactttttta aatggtggca 180  
ctgtaagtca caagaatgag ctactcagtc agtctcccta tttcaggaag cctttgcatg 240  
gaaggacaga gtctctgtga agttctctgg gaagtaaagg aggcgctgat agggactgaa 300  
ggctgcctta gctcagaaga gctcaaggca acagggcaat ttggggagag tcacaggcac 360  
aggaagggcg tagatagaag atacgtaaaa tcaaatcagg aagttttgtt atattggt 418

<210> 911  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416963

<400> 911  
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aagggccttt gctggcggac ttcccttgag ggcgcgctca gggtcatttg ctcttcgtct 180  
tctgactctc cgtcttcttg ggcagcagca cggcctggat gttgggcagg acgccgccct 240  
gagcgatggt cactttgccc agcagcttgt ttaactctc gtctgtgcgg atggcgagct 300  
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caggatctcc gccgtaaggt ac 382

<210> 912  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416970

<400> 912  
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tggaacaggtg gccggggcca ctttccccct ctagegcacc cccctcacc ggcaccaggc 120  
cctcgtgtgg ccccgactc tggcacggaa cctgccctag tgcccaacat ggacctgggg 180  
ccaccctgct ggccgagggt cagggctctc tgtgcaggca gtggggaggg ggtcccagg 240  
tccttgacag agggaggcag ggcacggggg agcctgcctc acccagcgga cagcacgggc 300  
cggggcagac agagcagggg ccctagggcc acagaccggt acagggttcc accaccggg 360  
gacacaggcc caagcacccg 379

<210> 913  
<211> 354  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416973

<400> 913  
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atgaattagc ttcttgctat caggtgtaca tcatttctgc catgtgggac attttcttgg 180  
gaatatacaa gtaatactcc atgtagcctg acaggtcctc aatggtcaca tcatccacga 240  
agactcgagc ttgctcagaa caggatcggg gagagccaga cagagttctg gcgtgcagcg 300  
actcgagagt agtctcaag tgtggatctt cgttctggag ccaagggagg gaca 354

<210> 914  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA417030

<400> 914  
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 agaaccattt acactatggt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180  
 aatagtgtct caagaagagt agtgattgag aggataggta aagagggcgc ctcatcgtgg 240  
 aagctagagc aggaacacct cccagtagt gacatgtgca aagttccaga tctccacgac 300  
 aaagacagct caaccactg gaacaaacag actcccaatg tggctggcaa ctgcgggggt 360  
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<210> 915  
 <211> 533  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA417046

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 aatcttttta cttgcaaaga ctcaactggt atttataaaa gtctcccttt acgggtatgc 180  
 aaatttccta caaaatttcc tcacaatctt caatcaaatt aaagttggat tatatcaagt 240  
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 gctgtgtcat ccaagaaata caaggcatct ttgatgacag caggggttaa gccctcctcc 420  
 accagggtca ttttgcggtg tttaaaagtt ccagtgatct caatgggtgtc ctgtattctt 480  
 agaaaccggg gccttgcata actaggttag taatcagcaa tgtgctgaaa gag 533

<210> 916  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA417078

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 ctggccccca gcctctagaa gtcagggtct ctgaggccca gaagctcagc gccacacctg 180  
 ttgaaggcca gtgatgtcag agttactctt ccttcctcca gcagcactga cagcagttta 240  
 ttgtacgcaa tttctagaac tcagatgttc tagaaggaag caaacatatt ctgagatcac 300  
 agactatgac tatgtctctc gaatatgttc tagaacacct aagttgcaat tcttaaaatc 360  
 aacacagcgt aagactgtct taggaggaag tgatcaagct caaagcaacc taggcatgat 420  
 gtgccttggt tgtttat 437

<210> 917  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA417373

<400> 917

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cactagcaag attgtagcaa agtgtgttta tgcaaacagg tgggtgcagag acagaggggc 180
ggaccttggtg ggcagctgga ggaccatccc agctcatggg ccacgcacag atgggagcac 240
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ggacccaggc aggcaggaca cccttgacca tggggcaggg gacatcccag catcttgtct 360
gtacccccac cacctgctgt gcacctggtc ctgaga
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<210> 918

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA417375

<400> 918

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aaagtttttc aggcaaactc aatgcacaaa tacaccatct tttagagtat aatgtcagtt 180
tatcattcgt taacagctgt gttagacagt ggctctgctt tgtgcaaaac gtgataaaca 240
aaattaggaa aaattctgca aaattattta gttccccaag gaaattacta aaatagaaaa 300
tggcaaaaaga aaaaaaggtt gcacactgaa gcttgattgt atactcaggc tacaatgacc 360
agcac
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<210> 919

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA417884

<400> 919

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aaagataaaa tattcagaag aaagtcaaag ttatctgcaa ttacatgtta gaacagattt 180
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tgcagtttca gaaaatttag ctgcttaaca tatgacagaa ctgtatttta acaaatgaca 300
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tgccccacat tgctggccgt gtgcttcacc agggactcca ccaccgggag gtgggccttc 540
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<213> Homo sapiens

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tgctgtatat tagagcaact gaataataata tggaataagt ttgaccaggt caagtttttag 240
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gatatagttg aatttcttta aaaagttttc tattttatct aaaatctttc tattatatct 300  
aaattagaat gatcatcctg cgcaaattca gattactggt tgctggctaa ttgacagtat 360  
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<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA418398

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cctgtggccc tggtgaccac ctagtccggg agagtgtgga ggtaattgtt cattcagtag 360  
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<211> 551

<212> DNA

<213> Homo sapiens

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<400> 922

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caagctcaat gcaggctaga atagaaggat tggtgtgtac aaacattaaa aatagacatt 180  
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ctccagccct agtctggtg ctggatctat gtcactccct gtgcgctctg atccccgcag 300  
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tagaccata gggctcagatt gctcagcata gttcaagcag tgagactacc tcatgtgcag 480  
tatcatgggc tgtctcttcc attactcttg gcagggtccaa ttttcaagat tggacagggtc 540  
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<211> 274

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419217

<400> 923

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cccaggacct ccttccctga gttgtgtgtg tgtacatgga ggggactcct gggtagcacc 180  
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<210> 924

<211> 513

<212> DNA

<213> Homo sapiens

<220>

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<400> 924

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tgtaactggt tacattttga tggttgtcta tactcaactg gatatgtgta tgtaaattag 360
aaaatacata cctatccaga cataaatgct aagtaacatt tttttcttcc tccaactaca 420
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<210> 925

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419608

<400> 925

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ctgggtgatg taaagttcta tatattaatg ttactttttc atatatatct ctcttaaatg 360
acactttggc tttcgttctc tcaatgttta tctctgggga aaatgtgatt aagataatca 420
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<210> 926

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419622

<400> 926

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tatctataag gcaaataaaa caaatatttc ttccatagtg tgggcatcca actttagata 180
atctggaaaa aaatcactct agcccctgaa taccatgatg tgcatgatgt gcaaaaatgaa 240
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caaattggaa atgcaaacag tacacttaga gtcatcctta gccagctgtt ctccaaacaa 360
aagatcgaga aacaaaacca agaacaatgt aaaaaagaaa aggtttatct agaaaaactg 420
gaagctcatc aaagtcacat ttcttcttct gattcttggt ctcgttcagc atttttcaga 480
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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA421049

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 ttttttttct tagagctaaa atgaacaccc agtcaccaac tacagccctg ccctgcccct 180  
 cctcccactg gctgctcat cttcccgac tgcaaacctg gccgccttta gcctccctcc 240  
 cttagcgtag tgtcccaagg tcacctagcc tgctttttgc ctgtaggata tgggtcccct 300  
 tctcaaagcc cgccctgact tacttcctca tttgcatagt ccttcagctc tatcctgtcg 360  
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<210> 928  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA421051

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 aatgcacttt tccagccaca agtatcttca aaaattaatg aaaaaaaatt atatatggcc 180  
 atagttcaca gttacgcagc caaaagctgc tccaattaca gcctttaaac aacatgggag 240  
 cttcctccct tctccctccc cttcaggaag tatattcaca gttccaaagt cctctggctg 300  
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 aaccttttaa aacaggatct tcaaggaaaa ctgcattctg gttc 404

<210> 929  
 <211> 428  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA421052

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 gcgaggaggc aatggaccct gttgaggcag ggcagtgccg gcgtccatgt aagtccatct 180  
 gtctgggtcc ctgagaccca agatgcagca gtgtgtggag cagggggccg ccctgcctga 240  
 cccgggaggt cctgcaggga atgcggccca ggctggtcgg gtgagcaggc caaaggctgt 300  
 ggggtcagat ccggaagctt tctcccggc catcgatgtg gcggacgcag gtagacgtcc 360  
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<220>  
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 gtttctcatt tgtgttcagt tttgtgcagc attgctagca ctgcttttgt gaccagaaaa 180  
 ggccataaca tgggtccagg tcatcattct tctgactcta gatgggacac ttgacagtga 240  
 cttgaaacat ttgcatattc aggaatgcat gagatttcaa gagagcctac agtatgaaat 300  
 ctttttcaca aaataagcag cttgcttctg aaatgctgtc tttcccagta gctactcacc 360  
 tgctcttggt ggctgggatt cagatgccac aaaactgtca gtatctatag accaggtctg 420

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<220>  
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gcttatgac aacattttaa tatgatcttg ggagatgtgg aagaaactgt gactactata 180  
gaaattgatg aagaaacata tgaagagata tataaatcaa cgaaacggaa tattccaatg 240  
ctctttgtcc ggggagatgg cgttgtcctg gttgcccctc cactgagagt tggctgaaac 300  
aaagaatttg tcctgtatgg aaaacgggag actttgtaca gtggcctctc taaaagtaca 360  
aaacattcat aagagaaacc tgcatacatt ttgatattaa gaaataattc cggggattct 420  
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<212> DNA  
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<220>  
<223> Genbank Accession No. AA421244

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gactaaaata tacaggctgt gacagaatta acagtttgaa agagggttg ctttttcttt 180  
tagaaatgct aaattttctt aacaagacaa aaatacagtg ctctaaatat gcattaccat 240  
gaaaacgtta aagaaaagca gtcttaacac ttaactacta ttaacagcct ttgccaacac 300  
atgcctgcct actccctttc ctaactttta agaactgttt cctctaagga atactagtgc 360  
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<212> DNA  
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<220>  
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gtcctgcccc ccgccattta tcgccctgat tggattttgt ttttcattctg tccctgttgc 180  
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<212> DNA  
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<220>

<223> Genbank Accession No. AA421562

<400> 934

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gttcactatg cttccacact agccagtctt ctcacacttc ttctgggttc aagtctcaag 240
gcctgacaga cagaagggtt tggagatttt ttttctttac aattcagtct tcagcaactt 300
gagagctttc ttcattgttg caagcaacag agctgtatct gcagggttcgt aagcatagag 360
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<211> 312

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA421638

<400> 935

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cctttcccac actgcgttta cctgcccatt cttgaaactg gatctcaggg cagcacattg 240
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<211> 467

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA421951

<400> 936

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA422049

<400> 937

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taaaaaagtg aaagggtctag ggagctatac atagaaagca acagtgaata cggagagggg 240
gcaggagtag gggaggagag tcccactccc caaccccacc ctccagggcc ccagagcccc 300
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tgaggctctt tggggggcct tgacatggca ggaggcagct gtcagctctg agctcttccc 360
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<211> 366
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA422086

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gcactctagc aggattgatg gtctctggat ttgtagctgt gaccgggtcat ggtggaatgc 180
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<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA422150

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gtctagtggt gactctgacg ccgaacaggg gctgtagatc agtgagtgtg tatgtgtgtg 180
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ggtgt

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<210> 940
<211> 357
<212> DNA
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<220>
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<212> DNA
<213> Homo sapiens

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<220>  
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ggctaccac atgcagccca gcccttagca cccaagggcc tgctgtgccc ccactctctg 180  
cctgggctag ggaggcccag gaccctcgga gtgggcaggc ccacccttcc catgggtcac 240  
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<211> 214  
<212> DNA  
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<220>  
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<210> 943  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA424029

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<210> 944  
<211> 484  
<212> DNA  
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<220>  
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gcagttttgt gctttgagcc actttttgac aaaaatggct ccatttttcc acagcgtggg 360  
tttcttaaaa tagtttaatg ttttatagtc tcatagtagt agtgttgctg tctaagctat 420  
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<210> 945  
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 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA424487

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 ggtgggggac tagggcaggg tatcagaagg tgatgtcatc ctctacagg gacagcagca 180  
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<220>  
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 gagacccaac ggaggttaac ataagtggac accctcctgt cccctggccc ctttcctttc 180  
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<220>  
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 ctgccatttt taattgtatt tagagcaaca aaagattcca agattacaaa aagagaacag 300  
 aacactagcg cttggagctg gtctgtctgc ccagtgaggg ccaagtgcc cgtgagaaa 360  
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 tgc 423

<210> 948  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA424813

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caccaataaaa tattagggcat gtatgtccat taaaaacat taaagagtcc tgtggcaatc 240  
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 tttaaaattt acttaagagt tttctaaaaa atagtactat catttgcaca cagcagatca 360  
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 <213> Homo sapiens

<220>  
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 ccctgctgcc tgggcagaag tgcaacatgg cacacgatgc ctgggggatc actcccccca 180  
 gggactcatg gtcagtgtcc actcacaagg cctgcttccc tcatgacatc tggccagtga 240  
 caccacagg gg 252

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 <212> DNA  
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<220>  
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 ataacgtttt ggaaagtaat gccattgtta actggtagtt aacaacccaa gttttccaag 180  
 caaagaaact gtaaagatgg ttacaaaatt ctttgaaaag aatacaccat ttccatttaa 240  
 gataaactct ccaaattctt aactgatttc aatttttagg cttagcttaa atattttaaa 300  
 tgaaacaata tgagagtggg agaaaagggt tatagctaag aaattatctg agccccacta 360  
 catgagattg taaacaaagg aaatttgcga tctgataagc tctattacaa aatttatagc 420  
 ctaaaaatta gageagcaaa attacagaag atatttgtat atagttttaa ctgaaatcac 480  
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<220>  
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 aagtcacaca gccagtgaat gttggaagct ggattcaaac ccagacgtca gattccagag 180  
 tccattctct tcaaggggtg gccactgcac cttgggggac tgggggtcct cgctgggggc 240  
 acctgcaagg cgagcattga ccctgttggt gctagaccag agccagagga cagcggcggt 300  
 gggactcccc acccggtgca tggaggcagc agccatctgc tcgaagtggc tagcgcagtc 360  
 tcggcagccg aagaagtagt gcacgtagcc tcggatggct gggaggacct ccttggcctt 420  
 ggctgcttcc tgtgagtggc ctacattttg ccgagctgcc tgcacagtca agaagtggaa 480  
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<210> 952  
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 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425294

<400> 952

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agaaggaatc taaatggggc aattttaaca aaccaggcaa aatatcacat atacctgaat 180
ataaggtaac tccaagccat gagtataaga ttaaggcagt tactttattt tgaacaagga 240
agtggcataa gcaactcagt gtgtgcccct taggggggga gctcttcccc ctaccactcc 300
ccacccaag gcatcatttt ggagaaaaaa gtgtc 335
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<210> 953

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425309

<400> 953

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gcaaattagg attactggaa agagtatttt taattaaaat ttttaagagac atagaggcaa 120
aatgtgtctg cccatgcaca ctatggatct gtcaatacaa gaaatttggt gaacaaggct 180
aatgtctgaa agcaccatgc aagttttcag caccctgatt acatttggtt tctcaagagt 240
gcgtttttat atcctacacc ctggcggttc cagtttgtaa actgtaagct ttacccttgt 300
gacatggatt tgcctgcctc tttgtctcta taatgcagat tttatagaac cttttgtaca 360
ccctatgggt tcttgatgca accagtaatt ttaaataaat aaattctacc tccaaggagg 420
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<210> 954

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425401

<400> 954

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atctgtacac ccattccacca gagcgattct ccagctccca gagggagtta tcaacttaaa 180
gcaggatacc tgaggtttca tgtcttttagt tgccttatca taatcccaaa tatacatctc 240
agggtttggt tttgttttta aagacacttt cctggaatat gtgcactatg gttaaaatta 300
aaaacaaaag taataaaata aaataaaatg atcgctggaa ggagctgacc ctccccaccc 360
atctgagaga cttcatctgg ctgcagcaca gtgaagactg tgtgtgtccc tggacggggc 420
cctg 424
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<210> 955

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425544

<400> 955

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gtttaagtcc ctgacacaga cgcaaccagg tctaagag gctccaaaat caacaagtta 180
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agccctgctg ctctgttaag atctgaaagg caagacacag tgctggatgt gtgcccttgt 240  
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 gtgcactccc acattg 316

<210> 956  
 <211> 412  
 <212> DNA  
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<220>  
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 cttgttcattg atatttgaag agtttaaaaa gaatcactga ttaaactaac catccttttt 180  
 ctttctgaat ccaaaacctt ttcaggcata tactccattc caaatttttt tctagcattt 240  
 cagagcttca gaatatcttt aataccaaaa gcccttaact acttatttga ttatacattt 300  
 ccaatgagaa ggcattaact tttcttttaa gctatcatta gctttgagtc tctttataaa 360  
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<210> 957  
 <211> 368  
 <212> DNA  
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<220>  
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 tctcagctct aacaacccca gttcttcttt caattctcct ttctcccttc atacaattga 180  
 gatgtttgtc ctttgcactt tccccaaagt agcaaagggtg atacaaatgt ggaaggaggg 240  
 gaagtgtaga aaataaactg tcatcatcct ctattcccat ctccaggga cagacagatt 300  
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<210> 958  
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<220>  
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 atctagagac acttgtctga gagactgtat tagaagacta cgggatgggt taggggaggg 180  
 aagagtgcta agaaaagcag tggcatcttg tccaacctca tcttctctct cctcatttgc 240  
 aaatcatatc tcaggagtaa gccaaaaact ggtgggaggg ttgcagcagg aaaaaattag 300  
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<210> 959  
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 <213> Homo sapiens

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<223> Genbank Accession No. AA426156

<400> 959

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ttttcagcct ttcaaaggct tttattatta acatcatcat tacttcagca ggagcctttt 180
agggacttaa aagcactgat tatctataaa aagtaacttc atatttcattg cacaaaattc 240
ccaattggca gatttaggtc cataaaagaa aggaaaaaaa ttattctagt tatataaatt 300
atcaggaata aaatagcatt tctccttgcc ttgttataag gaaataatat atttttcctt 360
accaggaatc aggatagtat ctttgatgat cctcagggt tataaaattg cttact 416
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<210> 960

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426168

<400> 960

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gaaacttgcc atcatccatc caatcccgcg tgtcgatggt gaaccaaag gaacctcag 120
gtcagagcgg cctggcctgt gtgcagcagc gcctgccttc ctccagcagc tccagccaaa 180
gcatcccagc ctgcaaacat cacactctcg tgggctttct tgcgacagag ggaggtcaga 240
gcagtgcact gatgcacagc caggcaacac cttaaagtcct gccacaatt cacactccag 300
aaaggcagaa gtgatttaca gagtccaaat tgtggatccc agtcaaattc tggaagggat 360
caacctgtct aaaaggaaa agctacagtg gcctgatgaa ggaatccggt taaaagctgg 420
gagaaatagc tggaaagact ggagtcgcga gggagggcat ggaaggcatg tgattcaccg 480
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<210> 961

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426291

<400> 961

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tcaagtgacc aagctgctga atcataaggc ctcaacaaat gttgcatctt attatttcac 180
tgaacaataa gaccttctat tgtgattatt cctggtaaat agcaattttg tttctccagc 240
ggtttccatt tgccaaacag tcatgacaga tggttgaaca tgggtggctac tgctttcagg 300
ggattctatc agatgagtc cattttccaa 330
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<210> 962

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426304

<400> 962

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gctgcccttg tcccttgggg gtcacacca tcccttggtg ggctcctggg cggcctgcca 180
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cttactctgt gcaaagacgc ggcaaaaccc agtgcctctg tttttcccca cccgagatga 300
aggatacgct gtattttttt cctaattgtc ctgcctctag gttcataatg aattaaaggt 360
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tcatgaacgc tgcaaaaaaa aaaaaaaaaa aagat

395

<210> 963

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426330

<400> 963

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ctttcagaag cacttcacaa tgaacagagg tcttgccagc tcatttcatt agcggagaag 360  
caaaggtatg atggcagaat catgagaaga tggaaataag gcctgaggat atggccttgat 420  
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<210> 964

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426374

<400> 964

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acaaaggccc gcttggcata catgagatcg aacttatggt ccaggcgagc ccaggcctcc 300  
gcatggtggc tgggtgttgc cagcatgcac acagcccgcg gcaccttggc caggtctccc 360  
ccagggacca ccgtgggggg cctggtagtt aatgcccacc ttaaattccag ttgggcacaa 420  
tctacaaact ggatggtgcg ctggtcttga tgggtggcgt ggcgcgttga catctttcgg 480  
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<210> 965

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426447

<400> 965

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ctggaagggc gtggagtctt ctccagttct ctagtttac agatgttgtg acctaggctt 180  
acaatgggccc tggggtctga aagcgggacg tgggctgcgg ggggtcaaaga gccggtttgg 240  
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<210> 966

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426468

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 atttcataga aatgattatc aaatgcattg cagatagaaa cagaatatcc tttgtactta 180  
 cagatcttat gataccctaa acaattatta ataaaaacca gccaacccat atggtaaata 240  
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<210> 967  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA426521

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 gctggctgag gagggacaag gtgagggggc ccccatgggtg ctgagacaac cagagcctcc 180  
 ctggcagggc aggagtgtgg gtgccacaga gacaagcccc ttgcagagct gacctggagc 240  
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<210> 968  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA426609

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 ttagatactt ggaagcacat acacaaaaat taagaggggc agcaactgtc ccaccgagga 180  
 aaagcactct gactcatcat aaacacacga cttctgggaa acttgagctg acatttcaca 240  
 ggacagtaaa ccaaagagac aggttgtcat tgggttatag aactgatctg agcttgagag 300  
 ggtacacagt gaaatgccat tgtaactcaa caatttcccc agagatctgt tcatctcaaa 360  
 aa 362

<210> 969  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA426640

<400> 969  
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 gggggcagtg tgtggagggg gcgttcttaa ggggtatatgt acagaggaaa gggcgcatgg 180  
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 acaaatatat tgcttttagta ctgcatgttc tgttgtgtgtg agggaaagaa acatgctttg 300  
 aaggttttcc cttgtcaaca gaatgtgtgt ctgtagctgt gtattgcgca tgtattcata 360  
 tatttttaag ttttctccta aggtttttgc tgacagtgtt ggga 404

<210> 970  
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 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA426643

<400> 970

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aatcacacag tgttgcaaga tcttgaactg actagatgat aggattacaa aaaccacaca 240
gctattgctg gaaaattatg tcatgcagag aacagactgg cacgattaca tatgtgggtt 300
tgtcctacac aaatcagacc tttaagtga acaagtctat ccaaccatct tcccataaaa 360
cctagtttct atggaaaaca atcaattaag ctagaccccc acattttaga tgtatatt 418
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<210> 971

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427442

<400> 971

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tgaaaaatcc cccaaattca cgctgagggt tcagggtcatg gttgctgagg tggagatga 180
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cccctcaact tcttcagaga tgtggagata ggaggcttcg atctctaatt gcctacgatc 360
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<210> 972

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427460

<400> 972

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ccaaaccaga agcaaaaagg aatcggggct gtgggctggg ggggtactcct ccaacatcac 180
caaaacccag aaaacgagga tcttaagctc ctccgcaggc caaatccagg gcttggggcca 240
ctgggctaac ccgcagggtg ctctgactgc atcacactca gagtaagata accagcaagg 300
ggctggaggg aacggccagc cgagtccaga catggacaga tgtaactgga aggaggacag 360
gaaacagaca ggtactgtcc agctgtaggt aagagagtgc agctaaga 408
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<210> 973

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427468

<400> 973

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taatgagcct gggaggggtg cagggaggag gggacagctt cacccttgga agtcctgggg 180
tttctctctt ccttctttgt ggtttctgtt ttgttaattta agaagagcta ttcactactg 240
taattattat tattttctac aataaatggg acctgtgtac aggaaaaagc gaaaaaaaaa 300
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aaaaaaaaaa acc

313

<210> 974  
<211> 203  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA427537

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caacgccatc cctccatgtt gggcaagcct gttccaaggg gctggactca cctcccccat 300  
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atgg 424

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<220>  
<223> Genbank Accession No. AA427636

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gaagcctggg gttttgtgcc tcctttttgt tttgtttttt tttgagacag agtcttgctc 180  
tgttgcttag gctggagtgt agtgggtgta tctcggctca ttgcaacctc tgcctccagg 240  
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<212> DNA  
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<220>  
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<400> 977

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atggtccctg cccctggagt ggctggtgac ccccaaaaaa tctagggcc agtgaccccc 360
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<211> 327

<212> DNA

<213> Homo sapiens

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<400> 978

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tagagaatag tggaaaacca aacagccaaa atcttatcaa taaaaccacc tctgtttagt 180
attttgagag aattattatt atatttttgg agatgggggt tcactatgtt gcttaggctg 240
gacttcaact cctgggctca agcgatcctc ttgcatcagc ctcttgagtg gctgggggta 300
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<211> 444

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<213> Homo sapiens

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cgaagagagg tggtcttttt cttactgggt gctgaaagga aggatggata acgaggagaa 240
aataaaactg tgaggctcaa ggctgggtgt ctccacttat ttcagcgaca agctggggcc 300
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<213> Homo sapiens

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<400> 982

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caggattcta ggatgaacat gtccagtgc tcttggcatg gcagactggc tcccagaatt 360
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 ggaaggcctt cctggaggag gggctgtcag agctgagtcc aaactgaaga ggcatttgca 180  
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 ataaagttaa aagtttgaaa gtgctaaata aacatttcct aattattatt tttaaaaaca 240  
 gcactctttt ggaagttatc tcttctttgt gcttatagtt gatctgcaaa catttcaagt 300  
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<220>  
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 aggagcactg atggtgtcag tcccagttca agggcaggag aagatgggtg tcccagcgcc 180  
 acagtcaggc agaaaattca agcttctcc acctatttta tttgggtcct tagaagactg 240  
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tgagtgcagc acttctagac acacacacag acacacatca cttactcata aacggcacag 180  
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<212> DNA  
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<213> Homo sapiens

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<400> 1004

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<213> Homo sapiens

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<213> Homo sapiens

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<220>  
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 tatcgtctcc tgggtaccacc atatcctgat gcagttctgg ttttcgtgtc tgagtttgaa 360  
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 gaggattgaa gggaaagaat ttttctattt ctggataggc atcatctgag gcaggaacag 360  
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<220>  
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 aatgtagaaa aaattccaac aatttttttc ctctcctaaa cattaacctt cagtctaggg 180  
 cacaattatt tattgattta aatgtctgtt tttgcataaa acatggaaga tgcaaaacat 240  
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 accagaaaaa aaccagcaaa cattaacaaa atgatagagt cagttggcta ggaaaaatac 360  
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<210> 1011

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430047

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 acaatccttc actagaagga gactactttt ttcacacagt caggggatga ggatctgatc 180  
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 aatgtttaccg gtgcttaaaag gcctcagtag gcactcaata attttataga atagttaaag 360  
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<210> 1012

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430048

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 tgcaacaaat gtcttttccc catcctcacg atttcatttt cttctggctg gaactcttca 180  
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 attcattact ggaaactgca agggacggga aatttccagg ttttgtttga ttgaggtcag 360  
 gattcaaagg cacctgcttt ttacctgttg gaacttgctt tattggacaa catacatcct 420  
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<210> 1013

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430108

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 tattaaaaca ctacattgag atggattaag ttacttagtc ttttctcatt caaaacaaac 180  
 taaaacctca cagcaagagt aatattttca caaacatctc caatgtttac ctctccttg 240

ctcggttttc cactgcaggt aagtgtttca gccacagaca agtgcaacaa aaccggttac 300  
tatacacaaa gccacgca 318

<210> 1014  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA430154

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cctggaatgt gcaacaacac accaatgaca accacaaaaa gtacaccggc cctgccgagc 240  
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<210> 1015  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA430474

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ggcagagttc agccacatc tccgtctcgg gcaatctccg cacgttctgt gtctccacaa 180  
agaagattcc tgtagactcg tgggcctcgg gtcccccact caggtagtgc ttctcacct 240  
gctcagaagt caggctgcac tggacataga actcggcact ggctcggcca gcaactggtc 300  
catttcgggc gatgcagaca gcaggggctg gctcaggggt agcagcggca ggttcacctc 360  
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gtcctggtgc tggggg 436

<210> 1016  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA430666

<400> 1016  
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caccacggac acacagcaga gggcttctct tcatatcaag ggtatgggta aacaagaaag 180  
gctgctgttt cactgagaca ggacgaacca ccaagtccaa atgagaagac aagcagagac 240  
gtagtgtcag accaggaggg ttagaacttg ctagtgtaga gggcaataat ccacttgggc 300  
acacggagga aggagggcag gtaggagg 328

<210> 1017  
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<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430673

<400> 1017

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gtgggggggtg gggaggaggg caccaaggct ttctcaagat ttacctgatg tgaacgaatc 180
actggcgtga agttgtgggg aaaagaaaaa ggcaggatca gaaaacaact gaaaataatt 240
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gggatctgaa tggc 314
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<210> 1018

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430674

<400> 1018

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aggatctcct atggagtgtg taggtgtcca cgagtgtacc ggtgtgcggg cctcctgggc 180
tgcaggcact caggcatggt ggcagcattg agggaaagac aggtgttggg gagcgggggc 240
ccacctgccc aggctcagga gtcacagggg tctgcacagt cttttctgct 290
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<210> 1019

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430675

<400> 1019

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ttgttttctc caaacagaga atggtagtaa ctagggcaaa tttcacaggc ctaccaccaa 180
tctcaccagt ccaggaatta tataggaatg gtcacattcc taatgatggt gaagcagaaa 240
gccctcccca cagagagaca gccactggg gaccagctc aagctcttca aaacgtggca 300
gctacaggtc acaagacttt ggcagagatg tccgaaattc ttcaaggaag gcgtcacgat 360
cagagggacg gatccagctc aaatagcttt ct 392
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<210> 1020

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431337

<400> 1020

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atgtaaaaac cattcttagc ttgtcgggtg tgggttgatg cccttggttt atgctgccaa 180
cccaagagct acgcctaatt catatccttc agcactaagt catacagctt tatttttttt 240
gactaaaagg cccctgaaaa tgaaaacttt acacatgcaa gcagagagga gtccgagact 300
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<210> 1021

<211> 351

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431429

<400> 1021

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ctcaaacaaa ttaaaacaca gacagaaaaa taaagactta cgtcatttgt gttaacatgc 120
caagccatat caccataaga taccagttgt ccattaacat aacactgaat ttcactgttt 180
ctccatcgat tgtaaatgtg gacaatgctg atcatgtacc acttaaataa aaaaattaaa 240
tatatcaata tgtaatgttt gggtattatg gtctaaaatg caattataat attcataaaa 300
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<210> 1022

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431462

<400> 1022

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gtacaaaaat atttatcttt taaaacatgc aaaaatttct tgacaaggca cttttaggta 180
taaaatgaag atgagtcctt gggtctacat tcacactgaa gtaatagtga aacatcatca 240
cagctgcact ctcaaagccc tcagagggtcc agcagtctct aaaaactcgt caacaagact 300
aaaaacattc acggctttac aatgtgggtt acagagcttt acaaccatga ccaggaaaaa 360
ctgctcgtaa caacagctgt ccttcccagt tccacatgtg ttgtc 405
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<210> 1023

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431480

<400> 1023

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caaatgggctt ttgtgaaaac acttgatatga aaagcaatac accatttggt tttacttacc 120
aatcactaat cattaggttt tgatgcaaat gggaatttac aataaaatga aacaaatagg 180
atcagggatt atatacaata ctgtgatcaa gtgattttgtg attcaggcaa tgtactactt 240
gaaacacata tctggatttc tc 262
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<210> 1024

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431571

<400> 1024

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atgcagaggc ctcagagtcc acagtgggca gttggaacca ggccccaggg aatctttcag 180
ctgcattccg gctgtgatcg gcgggcaaca ggtagaggtg ctggaggggg atgagtcgtg 240
attttcagtg tctgtcatat tcgatcaagt gtgtcataga gcttctgtt tcattctcca 300
gttattcagg gagaggctgg tgg 323
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<210> 1025  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA431719

<400> 1025  
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 gaaatccaaa tttgataata ggattttctc aactgaactc agggcagagc acagatggtc 180  
 tgagtgaacg ccctgtgtga caggtgcctt cctgcaggta ggaacacttc ctctgcagtc 240  
 agagggagaa gaaaacatca ggagctggat gtgatttcag atctgcaccg agaaacatgc 300  
 tgatttcact ggggatgtgg cagtccca 328

<210> 1026  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA431773

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 gtaaaaaagt gaaagtaaca aagataaaca tagaagttgg agttgtaaaa aagtgaagttg 180  
 gaattcatgc tgccatgac tacttgacca gaggcagctt ttcctctcta agcctattht 240  
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 cactgtgtgt cctthtgtgg ccatgtaaga gaccacactg ctgtaggctg agaaggccac 360  
 agtggttcag gtgctthtgg gacttggtct tggctcaata gagcctcact ggtgthtgtc 420  
 cagattgggc agcctatgcc caagctactt ggctaaacag gctggtgac 469

<210> 1027  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA431776

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 gccctctccc tgcccaggga gcctgcaggg accctcggtg ccaggctcgg ctgctgagcc 180  
 agcttggttg tgaagcctgg gctggcagct gaatgatgga gagagggtca agaagggtgag 240  
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 aggtgacaag tcca 314

<210> 1028  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA431873

<400> 1028  
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ttgcagaatc	ctgcattact	taacccccga	agtgaatcac	acaaaatggc	tgtaaccagg	180
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caactacagt	ggaagggacg	tcaccatctc	ctttggcatc	aactattatg	ctattaatac	300
ttgggtagga	caatgagcaa	aatgcttccc	aagttcgctc	cctctcagct	ttggcagatg	360
tgaagctgct	ctgaggttcc	tgacacgctg	tcctgagagg	cgtgtagacc	tccagcacca	420
cagat						425

<210> 1029

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432162

<400> 1029

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ctccccagct	agaatgctat	cacagtcaaa	gcagcagaag	tgtttcaggt	gccaat	tctg			420
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<210> 1030

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432166

<400> 1030

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tgttcagtga	aaatttctct	gatcggcctc	gtgtccaaag	ctacctattg	gctcctcaaa	180
agcagctgcg	ccaagaacta	gctagccccc	tttatctcac	tctagctggg	acagactgat	240
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<210> 1031

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432168

<400> 1031

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atccaagtgg	gcctcctgat	cttaacaagc	catgctcatt	atacacatct	ctgaactgga	180
cataccacct	ttacgcagga	aacagggcct	ggaacttcta	agggaaatta	acatgcacca	240
cccacatcta	acctacctgc	cgggtaggta	ccatccctgc	ttctctgaag	aagtgaagaa	300
gcactgattt	cagcagctaa	gaaatgggct	cttttaaggc	gatttagaca	ttgcagattg	360
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<210> 1032

<211> 291

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA433930

<400> 1032

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ctggtttttt gtgtctgctg tgttgatgcg aaggctctgt tgctgcagcc gcctagttta 240
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<210> 1033

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA433946

<400> 1033

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ttggtcagca tgtccagggc acccttggtg gagcagtaga cgctatggtt agttactgcc 420
cgctgggagc actggctgga gacattcacg atggccccctg ggactccccg ggctattaag 480
ccctggcc 488
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<210> 1034

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA433947

<400> 1034

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tggaacaaac ttagcttagt catatctcag actttcttgt gaaacacctg aacactgggg 180
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gcttgatatt gtatggcttt agtagtattg caatggaaat ggaaaacaga ttgggtccag 480
tggaattc 488
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<210> 1035

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA434225

<400> 1035

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<220>  
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 ctgcagcaat ttccttgaac tgtctgtaga aattctgaaa ctgtggaatc gtcatttcaa 240  
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<220>  
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 acttcaacaa atgaactcct ttaaaaaagg aactgtgtta tataacttaa gagtagaaca 180  
 tacaaaaata ggaacttaac gtgaaaatga ctttaataaa aaatgaatta cccttattta 240  
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 <212> DNA  
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<220>  
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accatcctgg atgcagggac gggcttcgat tggcaggctg ttgtggggat ggatggaacc 240
aatgaaaggg ggtgccatag gcagggacag tttggggcca tccttgaggg ggtcagggaa 300
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gaaggccccg ggc 373

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<220>  
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acccaagacg aggctggact tgccgccaa gggatttctt ctggatggca ctggggccgg 180
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ctggcaagtc tgtgtccaca ttttcatgaa tatcacc 277

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<220>  
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agtcctcagc ctccacagc aggcacaagg tccaaactat tctcaaaaa aaaggacagc 240
ctctttatgc tgaaatagga actttaaagg aagctcttct tgtagtccaa atggacgtac 300
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<220>  
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atttcagcca ctttacggga aaaagagaca catcgaaaac ttgatcctgg gacttgcaac 180
cccaccgtgg cacttctcca agaatggat ggttttcacc ttctctccct tttctgct 240
cttgccaggg ttctccactg agtgaactca accagaagcc aaaggacatg gaaaccatt 300
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<220>  
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accagcttc aagtctctta ttataaagtt ctggccacgc acagtgcgtc gcaactgtaa 180  
tctcagcact ttcggaggcc aaggcgggtca gatcacctga ggtcaggagt ttgagaccag 240  
tctggccaac atggagaaac tccgtctcca ctaaaaatac aagaattagc tgggcatggg 300  
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<212> DNA  
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<220>  
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caaatagtca aggtcagac ttgttaaact gtggagttac taaagaaggg gggattttcc 180  
aaattgtaga aacaagagta gtcagatttt cccatcccta ctagctttct aggttaaatt 240  
caatgatgtg aaaacaagca tagggtagag tccatatgat attcatacag gaagaatgtc 300  
cactggggaa gctcttttcg cctcatttca ccacgtcctt atccccgtga cacatcaagt 360  
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taaacattta tagtggctat ggtttggata tttgtccctt ccaagcctca ggttgaaatt 180  
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<212> DNA  
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<220>  
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tttcacaact aagccttttg ccaaaaaagt catttagcac atcttttaaag atcaataaga 180  
aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca acccccat 240  
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<210> 1047

<211> 329  
<212> DNA  
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gggaggggtg aaggcaccgg actgggaccg gccagggcta cagggcgagg accaggcaca 240  
cgggcacccc ggaggcgggc acagggtcac gtgacacaga acatgaaaca caggcacagg 300  
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<210> 1048  
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<212> DNA  
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<220>  
<223> Genbank Accession No. AA435824

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ttttgggaag gtagtattat caacataagg atccccatcct tttccataaa tgaatcgatt 180  
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gcccatacaag gagcgctctg tcagggcagc tgcacg 396

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<212> DNA  
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<220>  
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<212> DNA  
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309

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<212> DNA

<213> Homo sapiens

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<210> 1052

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<212> DNA

<213> Homo sapiens

<220>

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<400> 1052

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<212> DNA

<213> Homo sapiens

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atttgtctat cattcagctg ccagctctaa cttgtttgca cacttaaaac atcatattat 240
tgcacaagaa gccagtgaag gcatataatg gtcagttcct cactatttca aaaaaaatct 300
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<210> 1054

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<213> Homo sapiens

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 tgatagatta aaagattgag aaatacttga agaacgatca aagatacaat gagcatggta 240  
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<212> DNA

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<212> DNA

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<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436690

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<211> 407  
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 <211> 491  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA436926

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 caatttgctt tgcagaaggc tggttttcac ttttccttct ttttgcttct ttctgtcttt 180  
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 aaaacctaaa ttacttgcag catagtatta cttctttgat gttctcatta gcataatgtt 360  
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<210> 1060  
 <211> 227  
 <212> DNA  
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<220>  
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<210> 1061  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA437265

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 caaaaatagg ttcttttttc cttcaaggca aaatcagtc gaaagcaggt tttttcttct 180

tcaaaacccat	tctacctcat	tagcattcaa	gctagctgtg	gctctgatga	tcatgtagca	240
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aatgttgatt	tctcctgttc	tcggagttag	ctccccatcc	tgaggaagag	gtgagatccc	360
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<210> 1062

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA437295

<400> 1062

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ccactcccca	gtcggttgtc	gctgggtgtc	actcagttgc	ggacgcggca	gaagtgaag	360
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<210> 1063

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA437368

<400> 1063

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ttttcaacac	aaaatttagg	cactctatac	tttggaaatg	ccataaaata	ttccaacaag	360
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<210> 1064

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA437387

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gtcctcttgg	ccctgggagc	ctaaagggca	gtgaggagaa	ggcttagcaa	gaggcctgga	180
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<210> 1065

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA441791



<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442334

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aaaagactcc tactgacagg gctaagttta gccttaacta caaatgcctt gaagggtcca 180
cctcagtgca gaatcagaga ggaaataaaa ctgccaggga ccagagcagg ctccctgccc 240
tgtcctccca tcagtcaggg tcatgctggg gttaccctga ggctatagcc ctcccagctt 300
tattaattaa ttctcttacc ctgaggctga gggcgaacag taggtagcat gggagtgtaa 360
aggaatttat ctagataagt ttgtttactt atgcctccg gaaatcatgc aagactgctc 420
cctgcaaagg cgggcgacaa tgttcattac tcacaaattg tgttggcttc aggcctt 477
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<210> 1070

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442342

<400> 1070

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gggaattgtg ccgaatttgc catgtactga taacgtagca ttogatatgg aaaggctcac 60
cagaacccaa gctgttaacc gaagatcagc cctcggcgac ctccggcgag acaactccct 120
tggccttgag ccacttcgaa cttcggggat ctcacctctt cctcaggatg gggagctcac 180
tccgagaaca ggagaaatca acattgcagt aacaaaagaa tggtttatta ttgccagttt 240
tggcctcctc agtgccctca cactctgcta catgatcgc agagccacag ctgacctgaa 300
tgtaaatgag gtagaattgg tttgaagaag aaaaaacctg ctttctgact gattttgcct 360
tgaaggaaaa aagaacctat ttttgtgcat catttaccac tcatgccaca caagcattta 420
tttttagtac attttatttt ttcata 446
```

<210> 1071

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442400

<400> 1071

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caagcagcta agctaacctc tgacccccact gatattcctg tgggtgtgtc agaatacagat 120
aatgggaaca ttatgatcca gaaacacgat ggcatacagg tggcagtgca caaaatggcc 180
tcttgatgct catatctgtt cttcagcagc ctgtcatagg aactggatcc tacctatgtt 240
aattacctta tagaactact aaagtccag tagttaggcc attcatttaa tgtgcattag 300
gcacttttct gtttatttaa gagtcaattg ctttctaatt ctctatggac cgactatcaa 360
gatattagta agaaaggatc atgttttgaa gcagcaggtc caggctcact tgtatataga 420
attttgctgt attcaataaa tctgtttgga ggaaaatgga tcttttctag attctttaa 480
cttaacccaa tgttcctttt gttcagttat 510
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<210> 1072

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442763

<400> 1072

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ttttttacct taagaaaaac caatcgcttt atttttcctc aatatatgtt tagaaaactg 60
gtctgagaag aggtttcatg agatagacca gaggactatg tacaaaatca agagttctaa 120
accaataaga aaaagggcac aatgaagcac acatccccag gggccacggc agcctaggac 180
cttcctatca gtggggaggc aaggtctttg acggcttttg agttcagctg agggatcatg 240
ctgatcttca ggagtttgct gcttgcatatc ttattcttga tggc 284

```

<210> 1073  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA443271

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<400> 1073
tttttttttt ctttaaactg ttaaacttta ttataaatta aaattttcttt acaaaaaaat 60
tgcgcataat atttgaccac tcttaggttc tgatgcactg gcatttgcaa tagtttcttt 120
aatcttcaag ttaaacagtc tcggcaagga gtccagaacg tagaaagggg aataaacaac 180
cctgatagag cattcaagtg caactagcag acttgtggcc atggcagtta cactttcctt 240
aagatggact gctatagttt taaatcctga aatgaagaat ,ctcgaaaaaa tttaaaaagg 300
a 301

```

<210> 1074  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA443272

```

<400> 1074
tttttccagt ttgtccaaga acctttattg gaaaaatgtc caacaagtga tatcactagc 60
agctgaaggg gctgccaggt gagaggggga gcacctgagg ctccatggaa gacattggag 120
tagtgacagt cagcatctgc ctctaggggc agacaattcc ttttatttgc tggggtaaga 180
ggagtaccua cagaaacacc cctctctgag ggccagagcg aagatgaggg gcagctgggg 240
atgctcagag tcttgatata ggtgaaatgg ggccccatt tgggacctaa tggagtgggg 300
tacaactagt gactctccc tggaccggg aatggaagga gatatcccat ctgatatcca 360
ctccccaggt ccaggggcac agactctgaa cag 393

```

<210> 1075  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA443316

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<400> 1075
ttttcaagac catccaataa tttactgtga tcccatctgt gcccgacaag cggccacaga 60
ggcctgggag gggagctaag ggctgggggt cgggtggcat ttgggatgtt caagacagtc 120
tgtgcacagc ctccctggga gggctctgcag tcacctcggc ccacgggtccc ggggtgactg 180
ggctccagca gcccttcctt ccttccttgc ttccgtcctt ccttcctcct ccttccgtct 240
gcacctcctt cctgcacccg gcacctccat gtccatagct tgtgctgcgt caggagagca 300
cacacttgca gctcatgcag ccggggccac tctcatcagg agggttcagc ttccgcagct 360
tgtgctgccg gatctcacgc accaacgtgt agaaggcatc ctccactccc tgccgggtct 420
tggccgaggt ctgatgtag gggatgccgt agcttcgggc gaggtcctga gcctgccgag 480
attccac 487

```

<210> 1076  
 <211> 391  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443321

<400> 1076

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atttttgcta agtaaaaagt aggtttaagg gaagaatcat ttatagtaac actgaattaa 60
gtaaggggttt gtaggtcaca gaatcagact atttagggct gatacttcaa gcataatctca 120
attaacaaaa aagcacattg agactccaag gatgaactgc ctttgcttag tggccagggc 180
actgtcaaga cccagaggtc tcctaattcc cacgctagca caccatacca cccctttggt 240
caacctcaca gaattgccaa tactagcgta tcaccaggaa tacttacgaa ccatactaac 300
tcacatggaa gaatggcaaa tgaaaactgg cccacatttt cttgttcctt cttcaaagag 360
taatagggtt ctacctaatt gtgaactaga a 391
```

<210> 1077

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443585

<400> 1077

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agagtaaaaa aggagtttat atatttataa atgccaaata aataccagag gccacccaac 60
gccccctccc agacagggtt gtctccccc gccctagggt tctagggtgt gagacatctt 120
ggccccaagc tatagcccaa gagcagctgt cagtctgtgc taccaggga ctgagtgagg 180
atgatctgtc cagccaagtt tcaactcccc tgtgtgaggg gccccatag ccacaggcct 240
gggtccctgt ataggacct aagggtgaaa gactcagggg gagaaggtgg ccatctcgag 300
tgagaccgcg tgccacagct ccttggtctg tttgctgcgc ttgaggttct gtaggatgtc 360
gttgaactgc atcatgccca tgg 383
```

<210> 1078

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443602

<400> 1078

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tccaagagaa caccaactgt ttattacagg aattcctatg aaacagctcc aagaaaaaac 60
ccacacatag gaggaagaaa aataacaaag caacactcaa cagacatggg gctggggcgt 120
ccccacagt gcgccgggtc ctggccgggg gaaggctcag agaccgctcg agaactcgag 180
ctgggggt 187
```

<210> 1079

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443658

<400> 1079

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tttttggtcac tgggttcatt ttttttcttg ctctaaacca cctcttctct gaggttggtc 60
atcctcaggg ctgggtgggg tgcaagccct tgagtcccaa gtgtgtcgag gctcctgggtc 120
ctgggtgtgc tgggtgatga gtgggcacat gccccacctg ggggtggtgga gccgcttcag 180
tagatgtagg gcatgatgag gtaaggcaca cgccggcagc actcctgcca ggccaggccg 240
tacttctgca ggcactgccg ctcatcccgg gcctcacggt gcaccagcag cgcggtgaag 300
tagaggaggt agaagtaggg cagcaggtgt gacacccgc agggcaagga ccaagccaga 360
gccatgatga ggtctccaag atagttggga tggcggacca taccacacca cccagacacc 420
```



agcagttttcc gccctgtggc tgtagagatg gtctcaag

458

<210> 1080

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443756

<400> 1080

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ttatacaaga acttgcagct gacagaactg acacacacat ttcccccaag agaaagaacc 120
cttttccatta gcagagatga attgaaatgt catgtctgag tgcaattcct gctccccact 180
cccacccac aaaatcccaa aagtgaatgt aaatcaataa aatccccatg atttactaaa 240
agtcattcct ccaaactctt ctaactagca gctgcagtgg atgataacca aggaggggag 300
cagctggcca tcatgtagca ttctgtgca tgtgagcctg aaggggacagc agcatgggag 360
caagaatcct gaatgagagt agtatataat taccttactt catacttgcc ccctccctac 420
ataagacacc tctgtcctga tacatggaaa atactagagg agatgctaag agtgggttta 480
gtctacaatt ggaaatgc 498
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<210> 1081

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443802

<400> 1081

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ttttgctttc aatttttgtt tattttttaga aaataaatgg caaaatatat acactgtgga 60
gtctgaatct cctcatcata gagtgtgaac gatgggtccg ctgcgaacgt gctgaatata 120
ctctttggca tgggcaactg ccgtcttttg tggctcaggt ggaggtgggg gcccttccac 180
caacttcaca aaataatggc aataaacctt ctccatgatc ccaaagcgac ctctgccatg 240
gtagcggatg gatttcaggc actggcctcg tcttgaggtg gactcagcta tatataaatt 300
ggacctgaat tccacgttat ggtctctcac tgccatatct tgtgcttcta agagaacctc 360
tttaattatt ttggccctt ttttgtcatt gaattccaac tgagccaaag cctgggtcaat 420
agacattcct cgtatcaatt ttgccaa 447
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<210> 1082

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443822

<400> 1082

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tttgatttga tttcatgatt tatttagata tctccccacc cttccaata cttgaaaaaa 60
aaaaaaaaga atggcagtag cagaaggcat tgggtaagtg tcccaggaaac cacacaagca 120
gtgactccta aagaagttca gaggaaggag agaaccatg gggagggggg gcagtggggg 180
tgggtcaggg tgggctccct ggaggggaga catgggtctag gcaaggatgc agactggcca 240
gtaagggtggg tccatgcagg aagctgaggg aggtggaagg cccgtgggtc tcgagcgcat 300
ctgcccggcc tagtcgggga agagcaggaa gccggagaag acgctgtcag agccctggat 360
gccaccatg tcgtagtagt cattgacagc cagccacacc tcttgggcca ctttcaacct 420
cagacggaac accgacccag ttgaccgag tgggttttga cgtgtggcca caggaggtga 480
c 481
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<210> 1083

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443934

<400> 1083

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tttccatgga ggtgggcttt attaggtgac tgttgaggca agggagggtc tagggctggt 60
ggactgatgg ggggcaaggg cttctccttg cttttgaatt tagtgcatgt tgcctagagg 120
ttagatgtgt gagaatagct gcagaagtga gaggagagga aaaga 165
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<210> 1084

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443936

<400> 1084

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tttttttttt tctgggtccgg gttagcttta ttggagcctc ctagcaggcc aggtgtttca 60
ggcaccagta gtgctgcagg cacggggggc tgtgggtgtg ccagctgcag gtgatctcgg 120
tggtggactc cgaagtgtac tccagagagg tcccggaaat gcagggggacc agctcgggca 180
ctgaggcgct gctggcaggc tgtttcgacg attccttctg gcgctgtccg ctggtcttgg 240
gggt 245
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<210> 1085

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443941

<400> 1085

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tttttttttc agcgtggatt tattttatatt cattttttac tctcaagaga aagaagagtt 60
actactgcag gaacagacat ttttttaaaa agcgaactc ctgacaccct taaaacagaa 120
aacattgtta ttcacataat aatgtggggc tctgtctctg ccgacagggg ctgggttcgg 180
gcattagctg tgccgtcgac aatagcccca ttcaccccat tcataaatgc tgctgtctaca 240
ggaagggaac agcggctctc ccagagaggg atccacctgg aacacgagtc acctccaaag 300
agctgcgact gtttgagaat ctgccaaag gaaaaccact caatgggacc tggataaacc 360
aggcccggga gtcatagcag gatgtggtac ttcagggccc tgggcaccct gttgatcacg 420
agcctcccgat catagctcag ggaggcaaac agc 453
```

<210> 1086

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443993

<400> 1086

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tgcgggccg cgtcagagaag gagagacacc agcagaggac gcgaacgtgg accggccagg 60
ttcagagccc gcctcggttg ctcccaatca gaatctgctt tgtgctccac ggctccaag 120
cactttcatg agcgttctgc tcctacgtgg ccaggctcta ccttccctga cggctctggc 180
caggccagct cggtttccct ctaacccatg aggcctgggg gggctgtgac agaggctgga 240
accgcgggca gagcccaggg gcaggcccg cgtgtcacag caggatgagg ctgggggtgg 299
```

<210> 1087

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446242

<400> 1087

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aaagatacat aaaaagggtt ttattttattt aacaaacaga caattgaaca aacaaacaat 60
ggaagcaagt catttgccaa aaggaacaca gagggtcattg atgatctact cctccaagga 120
tttcagggtt cccagacgcc tagttttctg tctagttctg gaagatgtta ttcttgggga 180
gcaataggtc ctcgagtttg gggctctttc aggttctctc tccatttccc cattctgcta 240
caatagataa acaaacaaaa acaattctca cttccagaag atcccgcctg tacgtctgca 300
cgagcccttc aggaggtctg gatgtctggg tcacaactcc cctgcttctt t 351
```

<210> 1088

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446342

<400> 1088

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tttgagatgg agtcttgctc tgttaccctgg gctgcactgc gtggcgtggg ctcggctcgc 60
tgccgcctct gcctccccag ttcgggcaat tctcgtgcct cagcctcccg ggtggctggg 120
accgcagttc acgagaaatc catgaccgta aagtactgtg atagtgatgt ctaccactgt 180
gagcttccag tactagggtga ttggctctgca ttcacagtga ccaaaatcag ctatgtggcc 240
aggttaattca ctgctgaggg ctttggattt tcctttatga actactgaaa tgagggtcaac 300
ttgactatta ctaagggaca ttttgctaca aagaatgtta gttttgcaa ttccctttcc 360
aaatctaaaa tttattttta ccaggatttt agatgtaaac atcaagtagt tttgggtgtt 420
tcaatgaagt aacatgttta agctcacatt atttgaagta cttcagttcc tattgccatg 480
aaaattgtat ccagcagcta aaaaaaaaaa aaaaaaaacc tcgtgcc 527
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<210> 1089

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446570

<400> 1089

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tttttttgca tcttaagaca aatattcttt tattttctgtt aaactgaata tacaattgtt 60
ccctaggcaa ccaacttttg cttataacta caatttaatt tcacgttgac aaaacacagt 120
gaaaagacaa ctttgtgaag atctaattac aataataaat aaaataattt atacaagggt 180
ttttttttct tgacttttct ataggggtca tattcattaa aaagcccaaa aggctacctt 240
tgccttaacc cttctgtagt acaggaatga ttctagattt gtttcctttt gttatagaag 300
caaatattgt ttttttaaaa tagcctgaga tgagagggtta tattgtaccc caccagctaa 360
cacactaagt ggatgacaaa ctattctctc ggtaatttat atag 404
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<210> 1090

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446581

<400> 1090

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tctcttttca tttttaattt tattttttta aaaagacatt gaggttatgg taagaaatta 60
tgaagttaca tttttttaat ctgtcaattg ctacagtagt ggaataaata aataagtttt 120
ttaagttca atgtttatag acatacttat aaaaaaatga ctgaattaga agacattaaa 180
```

taatgttgat acacaccagg aagggattta ggcaaggaaa ggcacatcat attaccacaa 240  
gaaataaaga ccatagttgg aggttaattg acagccagaa ctttagatct tgggtaggt 300  
ttcccagctc tggagggtca ttatggtgaa acgttcttta tagtactggg ctggaataaa 360  
taaatagcag ttgaggaatt ttaccttgta actg 394

<210> 1091  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA446587

<400> 1091  
tttttttcac accgctaagg gctttatttc acagatcatg gtggtgagtt tggatttcca 60  
gccctcacca cggttaagtc acacatttcc cgacacctgc tcatttctcc agatctgaaa 120  
catctcaccc aacacatcct agttgttgta aacccccaaat gaactttcca gaagcaaaaa 180  
caataacaga ttcagagaac cctgggtcaca cctgctgagc agtccccctct actctgggtg 240  
catatagaat gcttgtttgc tcaaaagaga ggcgctctca acatcaaggc acaaagaaaag 300  
acgtctccag gggcaaaatg atgacgaa 328

<210> 1092  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA446596

<400> 1092  
ttttgcagct tccactottt atttccaaag aatcagtgtc acacatgcag atcacaaaagc 60  
gggtctccct gtgctgcttc cttctgtgtt ttctagtctc tccccagggt gctgcccagg 120  
gccctcagga actgagtgtg ggcaagacac tgctgggcca gagggcacga cgcccacgtg 180  
ggcccgtatt gcccaggcca tttggcagtg cagagccccc ccagcctcca gcaggagccc 240  
cctggcatga gctctccccc caggggtcct gagcaacgtc cctgccagggt ctggtgggtg 300  
gcagcggggg ggcagacacc tcgctgaggt cctgcagcag 340

<210> 1093  
<211> 455  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA446651

<400> 1093  
tttttctct taaattatct ttcattctga ttatattaca aagaaatgag ctgtggaggt 60  
ttggcactgt tttccatctt aacagttgtt ctgtattgta agattttata tgtgattcat 120  
aatgtactac tataacaaga cacagttttt atatattact ggaataatgc aaagaaaatg 180  
aattttcctt tgggtccagt aattgtcaaa ggaatgattg cagattcaga aaatgtgctt 240  
tgtaataacc ctgttaacat aaagtataca ctgaggaaaa aaataagtat ggcacatata 300  
tggaaggatt agttgtatta gcaaggcatt tcagggatgg ttttggttct ttagactaag 360  
taagatacat ccaatttaga ccccttcaa atccttagac aaatgggaat cacttggtta 420  
cataaagatt attttggtgg gcaggggctg atttc 455

<210> 1094  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446666

<400> 1094

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tttttttctt gctcatttaa ttatttttat ttacacaact ttttccatca tcatgatgca 60
aataagatta taaatacaca aacactggag tacatgcaac acattccaca aaggaacaaa 120
aatgtacagc actacagaat agagaaccca aattttttata tacaaagtgc tttaaaaaaa 180
aagaccttgt gacatattca aaccatattt atttgaatac tttccaataa ttaccatggg 240
atacatcatt tataaataat atttaatctc ccctattttt tcaagccaga atttgtgttt 300
caactaatca agtgaacagc cattccatta tgtaatatta aaggcaagtc acata 355
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<210> 1095

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446864

<400> 1095

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ttttataaat atgtaactgt atttttcttc ctgtccagaa actgttattg aataaaattc 60
aggtatattc ctccaaaacc cacacagttc agagattttc aaacaccagg tttccatttg 120
tattaaaatg ggcaagataa tgaaggcaca ggctcacttt gtatcaataa aggacatcaa 180
acacagtcac gaggcactaa tgacataagc aatcacaaaa agcaagtgtt caaagtcttc 240
agtaactctt ctccctttta catttggcaa aactcagtc agatatttta atacctcaga 300
aagaa 305
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<210> 1096

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446949

<400> 1096

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ttttaagtaa aattactttt attttcataa ataaaaagac aaccattat acacttttag 60
ttgaagtaac atgtaggttg tcaactgcta gtatgaaatc catgtaatag ttaacaaaca 120
gttacacctc tctataacct tcatgcaact tctatacatt tgataattcc ccaaaatttc 180
caacatttca aaaaacatta tatataatgg gatacttttag tcacaaagtgc tcacctttgc 240
tgagtcaaca aaatatttat atgctcatgt caaagatgcc tactgatgta aagtaatacc 300
agtattgctg cattttacag aagcactgag catattacat tttccatttc gtatatggta 360
gtatcatccc caaaaatgtc aatgtgaaaa ttt 393
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<210> 1097

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446968

<400> 1097

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ttttggagtc aaaactcttt attgtcctgc ccaggaggcc cttcccaaag gaatccacag 60
agcagggggg cgaggcgggc ggcacagggc cttggtgaca acgtgaaggg ggagctggag 120
ttagggtggg gacagcccct tcagctccct gatggcactg gctgtgctgg caggccaccc 180
aggggagcca tcaccagcat gaggtccaca cctggggctg gggctgagtg ctgtctacac 240
tgctctgtct acacggttac tctggcactt gtcagggtcca ctcacctctc tggcctcaaa 300
ctgcaggggg agatgggtcc aatgctggga ggcactggga ggccgtggaa cagtgaagag 360
cggactgcac gggctggagg atgccagatg ggcacacatg tccccaggg cagctgccgg 420
c 421
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<210> 1098  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 agctgaagtg gtctgctcat agtttgtgtg ccagggtgct catcagtatt gatactgtcc 180  
 cagaacaggt tgtaggata attcagagac tgtcctttgc aaaggaaatg accagcattt 240  
 caactgtatg tcttcctgga agggtagatt ctgctatatc ttctttgtct gcatcaaaaag 300  
 actcaagagg aatgtggaca catttcatat cccatttgta gagtaaagct tcaagtgacc 360  
 agtcagcact cctaacttga taagtagacc acaattggac 400

<210> 1099  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447118

<400> 1099  
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 accaaatgtg actggactta actgctacaa ctttatgggt tctatcaagt atatgcaaat 180  
 atcttaaatg ggcacatatg catatgtgca aaacaaatga aatatagata cttaagaat 240  
 gaa 243

<210> 1100  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447223

<400> 1100  
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 atacagattt gtacaaaaaa ggaaggacgt aaaaacttct aatcatacag acaaaaatat 120  
 gactgactaa gcaaagattt taaaaaagga caggatgttt aaaaaatact gataaatact 180  
 gtgtaatgct ttaattttact gtggcagata caaaaatcaa taattcatta acagattata 240  
 tatgtaaaaa aagtaactac atgaattttc tagcttttta aattaataaa atgtaaacagt 300  
 agtggttttt attttttaaa tgaggattta ttacactgta aaccaaaaaac ag 352

<210> 1101  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447549

<400> 1101  
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 gtttgataaa ataaaacaaa ctttttagtac catagaaacc tttcaacatg tacaatgaca 120  
 tattattact atgtacaact tcaaaaacaa atgcttccag ctgcaagtaa actgatgttg 180  
 aacatcctgc ctatatttca gctgtacgaa atttcttgga tggccaatgg tctccttggc 240

ttggaaaaaa ttatataaat aagaccttca atgagttggg aatcataaaa atgctatctg 300  
 aaattcagtc atctggatct tgggaagttt gcaatagctc taagagttca acaagcaaaa 360  
 taaaaccctg gtggatattt aaacttcagt tgtccaagac gtcttgtagg ttcacagttg 420  
 gtctatcaaa aataaaaagct attcctatcg tggcaaaaca 459

<210> 1102  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447574

<400> 1102  
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 cggttgcttg ctggcggggg agccgagacg ggtgcctgct ggcgggggag agcgtgtccg 120  
 ggcgctgcac tctgcgcagg gctcttggat ggcgctcacc acgtcacgtc ttctgtgctt 180  
 tcggccaagc actg 194

<210> 1103  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447617

<400> 1103  
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 ccctccgagt cccacattta aattagaagt cctcacatct tccattcctg gggcagggag 120  
 agatgacatc cggaaggcat cagaacgtct gaagtctcac tctaccagag gccaggagct 180  
 ggcacgagcg aagccaggaa aagactgccc cagccccaga atagcaccat ggtgggggtg 240  
 gggggcagtc cccccggtgt ccccaaagca ttcttgcccc tgccctgccc caggctctgc 300  
 cttttctgct gctatgaaag gtccagaggg ccttggtgctg tgccccacctg cccacacctg 360  
 gacagacatt ttggacacca ccagattctc tagccgtggg aaggggctat ggtcctctct 420  
 ccagggtttcc gccccaaacc catgctcttg gtaagaatta tgggtgg 467

<210> 1104  
 <211> 283  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447687

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 ttaaaagcaa tcctgcctta ttttaaaatg cttctactta agaattgttc ttctctcccc 120  
 actccttcac ttaaggata agtctacccc taaagtgcac ttctcaggca ttaaaaacag 180  
 cactgtgatt tgctttccac agagtccctaa ataacagcca cttctctcat ttgagaggct 240  
 acagagttca agctgagctg tgacaggagc caggggggcca ggg 283

<210> 1105  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447732

<400> 1105

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tttttttgc gccataaaat tctgtttaag actgtaacat ggaaaaaatg tttatacggt 60
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atctatgcac agaaatgtct agggggaaca tttaacacca aaagattaac agtggttagca 180
tttgggtggc aaacttgatt ctttctaaaa ttcccatatt ttccttaata agcagtaatt 240
ataattacaa cgggaaataa tttctttaag taccagtgct agtggtactg tcaataaac 300
atcagtggtt ttggcccca ttcttaaggt ggcaaacgcc gctgccccac tccccaccca 360
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<210> 1106

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447740

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aggaagcagg aacacccagc gccgttcccc cccatcctcc cgctccgccc cgctccgccc 120
gtgctgggct gtggcctcca caccagcag cgcctctggg cgccttccct tcgtcgggtc 180
gtgcagcgcc gcgctccttc agcttaggcc cgacactcca tgaactctca ttttccacct 240
tctccgtctc cagcttccaa gctgcacagg gccaggccga ggtacgtgat ggcgggcact 300
gaattacaga tcccgtctgt ggccgccagc ctctgtgtcc tgccaccttc tccgagagga 360
catcaccgcc accaggtgga gcgagtctcc tctctg

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<210> 1107

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447777

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<400> 1107
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gctgtgcaga gggttggggga gccccagatg gagggatggg ggagaggacc tcttgccaga 120
gcctccctaa agcaggacgg agcccaggct cctgtctgag gactgacgaa tattgtggac 180
acaggctgcc agacaatgtg tgagcaacag ggggtggcca gggccccctg ctccaggctg 240
ggcgtcagaa acccttcccc agcccctcgg acttccc

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<210> 1108

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447802

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<400> 1108
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tatcaatatt aaacctgatg tttaaagaac ctaatgagaa atatagtga aaaaacaaac 180
catgaaaaca caagtttgca tagatgaatt aatgtagatg tacaattggc atttaaaaaa 240
ggaggtttgc gttttgggag tg

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<210> 1109

<211> 497

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. AA447876

<220>

<221> unsure

<222> (1)..(497)

<223> n = a or c or g or t

<400> 1109

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atgggagctt aatataatcat atctaattta aaataatttc actgaaataa actccattgc 180
ttttacctaa tttttttctt gagatgcttt tgtagttttt cagagtttta gatgatttta 240
tacaaaatcc tctgcctagc actgctcttt ttgatgttgt agtgacacca ttacattga 300
attaatgctt ggtagcctgg ggctangatg tggaaactcca tggatctgtg ttctgactgg 360
cacctttgga atgaaagaaa agtgtgtgct gtccaaattt tttccctta attctttccc 420
tcattctctc acccataata gaaattttat ttccattgtg agttctgaca agaataa 480
tccacataca acataac 497
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<210> 1110

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447971

<400> 1110

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ctcagtgttc aaattcagtt tgttcctaaa atgaagagtt acctatgtgg gtgcaatatg 120
cagctggtaa agtgattgct atttgctggt tgttgagatt attcaccctt gacttaaagc 180
agcagtatct gatcttgtaa aatcctcaat ttgcattaca tcactttctc tttgcgactt 240
ccttttcttt cttgcattta ctgctttgta aatagctggt ttcagtttat aactgggact 300
gatctttaca tcagggtttc tcagccttag cacttctgac attttgggag gggtaattct 360
ttgaggctgc tttccttggt tattataatc tatttagcaa catccctggc ctctacccaa 420
ttcatgctac tagtatac 437
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<210> 1111

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447977

<400> 1111

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ctatactgat tatatttatc atgtgacttc taattagaaa atgtatccaa aagcaaaaca 120
gcagatatac aaaattaaag agacagaaga tagacattaa cagataaggc aacttatata 180
ttgagaatcc aaatccaata catttaaaca tttgggaaat gagggggaca aatggaagcc 240
agatcaaatt tgtgtaaaac tattcagtat gtttcccttg cttcatgtct gagaaggctc 300
tcccttcaat ggggatgaca aactccaaat gccacacaaa tgtaacaga atactagatt 360
cacactggaa cgggggtaaa gaagaaatta ttttctataa aagggtctcc 409
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<210> 1112

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447991

<400> 1112  
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 tcagaggaca cccaggcttg gggctaagtc ccagtgtcca tatgaagctg tttctggcct 120  
 tgtccgtttt tgttgtccca ggctctgtgc ccctcactca gtcaagaact tgtctttgtg 180  
 ttgcttcttg gggacatgct cagggcagaa gtcagagcgg aggaggcggg aaaagtagat 240  
 tatgatcatc acgtccagca tgagcaggat acccagcagg aaggtgcccc gggtcctctg 300  
 gtacacataa cgcaagaaga aatgggtgag gtaggcctga gggggcaggc ggaagagaaa 360  
 gtacatgacc aggttcacat acttgtaac ccggtagagg agatgatc 408

<210> 1113

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA448002

<400> 1113  
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 ggaagacatg tataggacaa agaaagatgt ggggggtggaa gaggttgat ggagcctcca 120  
 tgccctctct ggatgccatt ggttgactgg ggaattaat tccctgggtg tccagcctg 180  
 caagatgagc tccttcaacc agcaagtccc cagtcaaaag agtgcacggg gtgtagctgg 240  
 aagttgagca gatggtagtt tgcattgatg agataaagcc ccaggggaca gggcagctac 300  
 acatgaatcc aaatagtcta atctccaaaa ggaacagaga gtggattcat acaacatacc 360  
 aagcccgccc cctaaatgca tcccactcag gtcacttata aagctccaag gatggggcaa 420  
 gaacacaagc tctacaccag ggaaacttgg aggcacaga aggacagaat aagaccagg 480  
 ttcattaggg atgaaaaatc gaacag 506

<210> 1114

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA448252

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 aaatcatttc tgtaatatgc tccccaaaca ggttttggaa ggtagtctag gagctgtaat 180  
 cacttattgc tgtgtgtctt caggcagtg tctctgtcag aggctcggag aaggttctct 240  
 tgcttcttgt agctttgtga ggatccacct ggcactcctt ggggtcttga agttaat 297

<210> 1115

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA448282

<400> 1115  
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 acatactatt tgattaagtg caacatggta cagtcatgtg taatctcttt acacgatagt 120  
 gcacttagtc cttagccttt agttattgca caacaattat aaagaccagt gaccaggaca 180  
 cgtggactct gacaggcaga tcggcctaca caacgaaaaa tcagaacagt acaccaactg 240  
 gaatgggtcaa acaatttaag tcaaatgttt taatgggtgca attaaaataa gggttcaaac 300  
 atgttttcaa tatattaatt tctttaaagt catgttcagg caaggtgctg tttaaaaaac 360  
 cactattagc tttgtccaca catgtaagtt atcaaaagtt acccaaggta attttgacgt 420  
 tgaatg 426

<210> 1116  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA448300

<400> 1116  
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 gtcaggtgcc aggggagtc tggccgatt ccacgctcc aggtgtttct accgcctgcg 180  
 gtcggacaga cggcggatgg agctgcggaa agttccctcc tcttcacggt gttccccagt 240  
 cctctgctgc tgggtgaact tgcaccggca tcttctgtc agcacgatga ggatgcccag 300  
 gatgaagagg atccccggca tgacgaggcc tccgatctgc agggactggt agtcgtaagt 360  
 gaacgggtcg tgttcctttg gactttctgc cttggccatg gtgaggagac ccacacagaa 420  
 aac 423

<210> 1117  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA449073

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 actgctacct atactttcac cccattttatt aagcccaaaa cacttcaagc aacttcaggt 180  
 tcataaatta ataaggaggt acagaagccc aaccaggatg ggaaagaatg tgtttcaggt 240  
 tagaagggga cagcatggct cccaatgat gtcttgtatg gaacatttg 289

<210> 1118  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA449108

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 aatatgtaaa tttcattgtc aaatcatgat tttgttactc tgctatacaa cttgggtacca 180  
 tatcaatgct actaaatgac tcaagagtaa gacattatgc attccgttta tatgagaaaa 240  
 agagattatt tacaactact tgaaagagaa acagaaatgc caacaacagt atcattcaaa 300  
 ttctagtgc atgtcaattg ttaccaagag atcttatttg cttatataaa ttttgcaaat 360  
 aattcaaacc tggctatctt attagaagct gacaaaagat gcttttctgt tgcaaaagat 420  
 cagtggacaa aaatcctcca caacctcagc tgataaaaaca aatttaagca gcattttttt 480  
 tttccatttc 490

<210> 1119  
 <211> 538  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA449122

<400> 1119

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tccgcccaga atatgaggct gacttgggca cactagggga ataccctaaa ggctgaagg 180
agggtgccact gggctgccag cacttcagga aggcacaggg cccacacccc ccgagatcca 240
agctgcactg gctgacaggg ggcagggcgg ggggtggcga ggacacagtc ccgtctgtcc 300
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ctcaaagcac gtttatggaa atgaacaggg tgggggtggcc cgcgctcgcc ggtcacatgt 420
tggtcgttc ccgctgcagc cgcgagttgt aggcgcgaga cacggtgttc caggcgtcca 480
tgtagcggtc catgcacatg gcgatgcact tctgctcgga gttgtccagg gagcccc 538

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<210> 1120

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449267

<400> 1120

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tgacagtga ataatggttt tttttaatgt tcattacttt aaagcttaca tttaggaaac 60
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gattaatatt tctccctttt ttcttaagaa gtcaatagtt cttcatatcc acagtcatga 180
gtcatttttg aggacatgcc agaattacca atgtaactgt gaggcaggaa agtacactc 240
ccaggggaagt cagagtaagc ctgtttccac cgcagcacag cagtgagcac agctaggcag 300
aattccagca gagtgcaaat cagcatcaga gagagagttc cagccagact ggctttggct 360
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<210> 1121

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449297

<400> 1121

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ctaaaatctt tttttgacat cttcacacaa ctcaattcta aaatatcctt ttacagagat 180
gtataaataa acgcttccaa gctgtcaacg cttgacactt ttagcttcct atcaccgcac 240
taagtcggca ggtttccaat cagatagctg ctctctgac agcaggcaaa gaacttcct 300
cagctatctc ggaggcctca tacctccatc atgtgaagag tcaaccagtc ccatctttcg 360
gaatgctctt tcagaatatg taattttata agtatttttt tttctactga gagaacatag 420
atctttcaaa ggcaatggca gaatacagct taaatggaca cagttcactg ttaacattgc 480
ttatttttta aggcattccag gag 503

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<210> 1122

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449306

<400> 1122

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tttaatcatc caaaatgcat gtataaaata tagaacaac cctagtattt aaacataaac 180
agggttagct gaagcagctt tattgcaatc tcttcaagtt agcatattac agtttaaata 240
tttatgcctg taaagatctg cataatctac aatacagagt tatttcagaa gcagttgact 300
taactagttg agaaaaaaaa acaacaaact tcaacgcaaa gctataataa tttatccgaa 360

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acttattttac aattaaacat ttaggggtcct gatttacaaa actcagtgcc ttatcatgatt 420  
tattgatgag ttttatagag aaagtaagca gtatgtagaa tattccccag gtaaaatctg 480  
gagtgaatgg 490

<210> 1123  
<211> 500  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA449327

<400> 1123  
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ctctgatctc caaaaccata aattgctgac ttccaggtac catcatgaat gctcaacccc 180  
tcagggtcctg aatgtatagt caggaaactt tccacagcag tcaaagtacc attcatttta 240  
tttctgggtat atattactcc cagatctgct ggaatggagt caaagccgct gcttccaatg 300  
atataaacc ctttgtctgc agctttctca tgatacttca gttgcattag ttccagaaac 360  
tgagggttctc cactgatgtc gatacaactg gctccatttt caatacatgc ttttattaca 420  
ggttctccat aaaaccgata tggtcctacg caattgagga caactgttga ctgttttagc 480  
atttcatcaa gcgaggctgg 500

<210> 1124  
<211> 306  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA449431

<400> 1124  
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ggtttacatt tcttttttaa gttctttcat caagagttta ggtgccccca ttgccctcat 120  
aagctgggtg caaattattt gactcttact tgtaaaaaaa atccttaatt ctttttgtgt 180  
gtgagacacg tggtcattaa aaagtacata taagcaaaaa gaacaaaaag aagaaaaaca 240  
ataaaatttc acaccacaca gaaataagct tggttaagtt tgtgatatat gttatatgga 300  
tgtatg 306

<210> 1125  
<211> 312  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA449448

<400> 1125  
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aatgtccttg gactgcagtc attataaaat tttacttaat gcttatgaaa gcactcatgt 180  
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<211> 306

<212> DNA

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agattcttct ctaccttccc taaaacacac acaaaggtaa cttctatttt ctaaaatccc 240  
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<211> 424

<212> DNA

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tgcacaaggg aagcctatcc tattttttttt ttccttttgcg aaaacagaag ccaagtttct 360  
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<220>  
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ggataggaag ggctgcctt ccttcccacc atggagatcc taaaatcaca agctccagcc 240  
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<220>  
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<400> 1133





<210> 1137  
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 cccacccccg ccccaggctc tggtcctaac cacacctgct ccctgacccc agtcttggt 240  
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 gggagggtcag agatagctc cccagggtaca gaatcaccca catcctggag catctccgcg 360  
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<220>  
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 atggtactgc attcacagaa agtaacactg gaatgggatt tgtgggcatt caaaatagtt 180  
 acatttttta ttgttgagaa agaagatgca gaaaatgggt atatccagat ataacgatta 240  
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<210> 1141

<211> 224

<212> DNA

<213> Homo sapiens

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 cggggaactc gtccttactg aacacgatca gcaggcacgt cttgccacac gcgccgtcgc 180  
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<213> Homo sapiens

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<223> Genbank Accession No. AA452167

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 ttctttccat ggcaaaaatt tattcaatgc aaagtctact tcagacactt ggttgagact 360  
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<211> 456

<212> DNA

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA452454

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gtttctggtc tactttgact ttcaaagtac ctccagcctc ctcatacgca cagcttttgg 180
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cattttttac atagacttca gttgagatgt atacttagca aaattatatt taaattgaaa 360
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA452536

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cagtaccctg gagaggaaag gtctcaaagc aaagtcacaa tgtagtggt taggaccct 180
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<211> 367

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<213> Homo sapiens

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<211> 366

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<213> Homo sapiens

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 aagcaacaga cagatctaaa aagttccaag tgtggatttc acattagatc ttataaatta 240  
 aaaaaatcct caatataatc atttgttcac tatcttcttt caataagcac atggacaggg 300  
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<220>  
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<220>  
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 <212> DNA  
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<220>  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 aaaaatcaat cagaattttac catttgaaac tggtgaaaaat ggtttaaaaa tggatccagt 300  
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<210> 1156

<211> 452

<212> DNA

<213> Homo sapiens

<220>

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 tagtagcaga gctgggtcta gaaccagga gttcgaatgc aatccgaggc tcatatcgag 420  
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<210> 1157

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453770

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<210> 1158

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453783

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 taaattctta aatgccataa tttttgttca actgctttgt cattcaactc acaagtctag 180  
 aatgtgatta agctacaaat ctaagtattc acagatgtgt cttaggcttg gtttgtaaca 240  
 atctagaagc aatctgttta caaaagtgcc accaaagcat tttaaagaaa ccaatttaat 300

gccaccaaac

310

<210> 1159

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453917

<400> 1159

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caagcaagtc ccttcagact ggcccttaag ccaaactcag gcccagaatt gcagttcaga 120
atggcagtc tggaggcagg gggtagggg caggtctagt gttcctgcac caaacctaag 180
tccttcacc tgccacccc ttccctggga gggaggtggg cctcctatct ccctggctca 240
ctggcaggtg tgggatctgg ggagagcggc tggagaaaga tgcagtcctc aggaaggggg 300
ccgccaccct cccctatgct ggtagatgct gaggcccta ggtgccagg gccagtggga 360
ccctctcaga accaaatctt tcccctttct cggggcttgg ggctcgggcc gtaggggctc 420
ctgagtgtca tgaagtgcac aggagccaaa tgaccgagcc ctggagagcc ccattggtggg 480
taggtgg
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<210> 1160

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453988

<400> 1160

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ggcttttagt tcatacaaac aaactgacaa aaaagatctt atttctctag agggtagggg 120
aagtataaaa ttctgaattt tcatgtcgag tgtgagccaa gttagaggaa cttggccacc 180
tgcaaacacc tccctccctc catgggaagg aatctgaggc ttcttaggtg accaggagcc 240
gggcttcttt tgttgcttta atttcctttc acctgagaga aaatgaaagc cagggtcttt 300
gtgctccagg ccaagg
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<210> 1161

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454086

<400> 1161

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ggatgtttta tgcaaacctg acattctcag cagagcacia gtatcaaagg gacattggat 180
atattttaat aatgatctaa cacaagcaaa aataaccact gaaaatataa aactcaacaa 240
gagacataag aaaaaagcag acagaaaaca aaaaaaattc ttattttaga atgatgctat 300
atgtaacttg taaaatattt aagtttttat acatgagatt atattgggtt ccttatttta 360
agaaaaaaat tacaattaag aatggaaatt aaaatgtaaa accaagataa atattttttg 419
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<210> 1162

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454159

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 agaagaggtc aaatggacag gagagagcgg agattggttg ttctcagggg ctccttcctt 180  
 ttgcctgctt ctttcatttg ggacgccaga ccttgacctg gaagtgaggt cactattggg 240  
 cagtggagtg tgagaaaagga ctttggcctg ggggctgcaa gttacagatt aacacgggga 300  
 ggggtgagga gggacccaga gggaggaaag gtggccagag gaaggacag ctgacctggc 360  
 acaatctggg cttgaagggg gcacaacaag agcgtctgtg agctggtgct gtctggaggg 420  
 atcttggtc ctctccgg 438

<210> 1163

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454170

<400> 1163  
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 atatgattgg atcttgtaat gaggggattc aggaggcttg atctgactgg atcacgccag 180  
 ggctcaatct gattggatca aggatcatgc cacgtggtgt ccacttctta actcagtccc 240  
 tgttcctcag tctgagcact taggt 265

<210> 1164

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454177

<400> 1164  
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 taggttgaga aaacttgagc aaaattagtt ttatttaggc ctgtgggtta aaaatattga 120  
 gatacaagag tttttttttt tttttgagat ggagtctcgc tctgtcgccc aggctggagt 180  
 gcagtgatgt gatctcggct cactgtaacc tccgcctccc gggttcaage gattctcctg 240  
 cctcagcctc ccaagtagct gagattacag gcgagtgcac cagcccagc caatttttgt 300  
 atttttagtag agatgggggt ttaccatggt ggtcaggctg gtctcaaact cctgacctcg 360  
 tgatctgccc acctcggcct cccaaagtgc tgggattaca ggtgtgagcc ac 412

<210> 1165

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454184

<220>

<221> unsure

<222> (1) .. (559)

<223> n = a or c or g or t

<400> 1165  
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 aaagaaaacg cccatgttga acaaaatggt gacaattgtg ccttctcttc aacaccaccc 120  
 caccctccag aagtttcctt caagccgtac cttcaggtga aggtcagcgc aactggcca 180  
 cccgggacca cattttccag aatccttttg cgggtcccgcg atgctctcgt ggtcagcagc 240



tctcattggg ttgcagagga gaaacttgtc cgtgtcactg gggcatctta acagtcgggt 300  
 cctaagcttg gttgtgtgcg ccgcaacnng tccgcgcacg cctgaggctg ggatgccgcg 360  
 ctgcctcgcc ggcgatctgt ctgagttttc ttctctctgg ggtttcttcc tgctggtgga 420  
 cctccgcga atccccggcct ccggagaccg tcctggtaaa tgccctggcc aggactggtc 480  
 tcagcccaga ttcagacgca cgatcacaca gggctcctac ttcgcccctc gtgccgaatt 540  
 cttggcctcg agggcaaat 559

<210> 1166

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454597

<400> 1166

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 acatgagatg aatagagact ttattgagaa agcaagagaa aattcctatc aaccccaagg 120  
 aggactcaaa gtgaggctgg aagaggactt agaagagtat gaaagtactc taagatttta 180  
 tctaagttgc cttttctggg tgggaaagtt taaccttagt gactaaggac atcacatatg 240  
 aagaatgttt aagttggagg tggcaacgtg aattgcaaac agggcctgct tcagtgactg 300  
 tgtgcctgta gtcccagcta ctcgggagtc tgtgtgaggc caggggtgcc agcgcaccag 360  
 ctagatgctc tgtaacttct aggccccatt tccccctctg aaaataagag gggttgatca 420  
 aacgatctct gggg 434

<210> 1167

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454667

<400> 1167

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 tctgagaata caaatgtcat ttaaagttaa ggcttcgctg ttcattttga aacaacaatt 180  
 tacaagtgtc atattgtcat agaaaataat aatttctgta aaaaaaatct gcacaaaatc 240  
 ttatgatggg acaaaacatg aagcaataat ataccagtaa aatgaaaaca ttttact 297

<210> 1168

<211> 82

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454710

<400> 1168

tatttttgac ctgtacaata ggcactttat tagtggttgg aatgcagtta cacgcagggg 60  
 tgtgcagacg caatgggggc ag 82

<210> 1169

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454733

<400> 1169

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ttgatatttt aacaaacgtt cctttatttag gttactgact attatcaacc atcataaaat 60
agaacgggag tttcaaaact gtacaagcca caaggctctgg gctggtagga aagaagggtg 120
gggtcgaggg tcccagggtg tcgggggggtg ggagatgcag agagagctag agggtcaccc 180
ggcatctgtg aggacggctg ggtcaaggcc ataagctggg atctgtacaa gggaaacatt 240
catcagaatg tgaccacact gaaacaggag ggaggaaaat ctttaaaagt cttacaggta 300
aggtcccctg ccccgaaaaa aaaaaaccgt caaaataata agggggtaat gtacatttct 360
caccagctct tggcaccaat tttgtg 386

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<210> 1170

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454830

<400> 1170

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aaagaggcac gatctgattt atcagtttct aggaaacacc ctctgggagg aaggcaggca 60
gcgcgcgcgg agaccttaca accgcccgtt aaccggggag gggggccggg agggcgccctc 120
gggtctcaag gcgcggggag ggtctgcggg ccctgaaggc ccctgggtcc gagccacaag 180
tcgggggcaga accg 194

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<210> 1171

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454908

<400> 1171

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ggaggaggcc cctgtgagcc cactctggaa cccttccttg aaccctccct actctgtccc 60
cctacagaca accaagcact aatcccctta gtaccaagaa aggggagcca ggatttagtc 120
ctggcccagc ccagagctgg gacctggagc acgatctgtt gacttccctg ggtaggacac 180
tgccacctct gggctcaggc cctcatgcct ccaaattggc tctagagtt gagcagcctt 240
cttggtctgag gcaggcctag cctgtggagc gggctagggc caggagcatt tgggtgcccct 300
ccatgttgca atgcaaacac cttcaccact ggggcagtgg ggagagatgg ctatattaat 360
aaaataacgt gtgtctttc 379

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<210> 1172

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455097

<400> 1172

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tgtaaggacc agatatagcc ttttaattcct aatgttcaaa aacaatcctg tcttctaaat 60
cacaactttt cgagttacaa gatttatcca cttcaaataa ggataccttt tataaagtac 120
tttctgtgtg ttttacagat ttcaagggtg ttctacgtgg cttcagcaat tctcacaaca 180
aaccctcagt gggtcagggt cttctaagat taaaatgtta acaccaatgc gtgtgaagta 240
cagtgaagta cagtgagggt aaggctcagt ggcaaaccgt aaagaggccc acacaacaca 300
ccagggatca gagccagggt aaattcttgc tccccacctc caccacacct caagaagaaa 360
tttatttttt gtttttattt ttagaaacag tctc 394

```

<210> 1173

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455111

<400> 1173

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gcaatcactg taattaataa agttgaggaa aacacaaaga ttagctaaca ggggtaaaag 120
atcattttaga gtaaaataaa tgtgtacatt ctctatgttc tcaatcacct ggaaggcag 180
tctatggaat atcaggaagt aagagttttc ttgttttcag gaacatggag gtatatacac 240
ttcagaattc agaaggtaac tggggctata aatagtaatt aaaagaacaa aatagaagca 300
gggggggtt 308
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<210> 1174

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455239

<400> 1174

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cttggcaggt atacttttaa attcttcaac cttttcttta tctttttgaa gttgtttctc 120
cagttttttg gctttactcg tggcatgttt taacttttct ctaacttgaa catcttccaa 180
atctagctgt gtaaattttt ctttattctc ctcaataaat tttgtaattt tattcagttt 240
cttttttgta tcttttacat ctttattctt agctttcatt tcatttgata gtatattgct 300
cttctcatta atttcttttg tatcttcatt aattttttcc ttttgagttt ccatttcagc 360
aattcgtttc tgcaactcat aaatataata ttgacaaaca tgattctttt t 411
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<210> 1175

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455261

<400> 1175

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accagataaa tcatctaaat aaatagatgc tatacagtct cttaccaatg tcagtacaaa 120
aataaaaccg cgctctacat ccactctgac tctcccagca cacacacact cagcaaaggc 180
atgtgcttgg aatcaactcg tgcccccgac cctcccaga tacattcatt tagtctgaac 240
aaagctcgaa gctcattctg tgcaaaggaa gcgctcttgt gctgagacct ggtggccgca 300
gctggccact tcgaaagcaa aagctaaacc acctcacaga agcacagcgc ctgccccag 360
aacaagggga caggaggagc ttggcaacga ggtcatcacc cgaacagcag tgacagtcct 420
gcattcc 427
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<210> 1176

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455367

<400> 1176

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atataacatg aagggaagca taactttcag aagtcacaa agatattatc ctgttgctct 120
cattttctta aaccattaaa atattttcat ttataaaaaa taatctaaat ataaatattg 180
acact 185
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<210> 1177

<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA455403

<400> 1177  
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gtggagcagt aaggcactac ccagagagct tgctgctgcg gccctgtcct gcggcctcaa 120  
agttcttctt tactatatat aacgtgcggt catacctttc ttcgttggtg gcgggacgga 180  
agagcagagg gagcatggcc aggggtgttg agggcagcgg tgagagccgt gttagccaag 240  
acatggaact gtgttctcaa gggttatgtg gggcgtgggc tctcatagtg tgtatgaaaa 300  
gcttggtgac tctagcggct cacagaggac tttgctgggt ttctttgtgt gaatatctcc 360  
gtgctgacca tgctggaatt ggatgattct gcaattcggg acctactgca ggggtccggt 420  
tagtaacgctc ttgtctgtga tct 443

<210> 1178  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA455521

<400> 1178  
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ttaaaaaaaa actacataaa cagatctttc ctataaccta ggaaagtgga atgtcagaag 120  
tcaacaaaat gtgataaact taaagtgcta aaacagaagg cacttcacaa aatctgttca 180  
ctgaaacagt tatatatact cgtttacatc cttcacttta caagtggcag tgaacgtctg 240  
tttgataga aggacataca gaaatacagg cagtttagtg gcagtaaaaa tataagacaa 300  
gtaatgagtc cttggccaac ttgtttttga tgacctgtag tg 342

<210> 1179  
<211> 240  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA455522

<400> 1179  
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agggtcttct ggttctctgga gacatgccca gctacagcaa acacaggga acacgaacgg 120  
gacagctgga agatttggaac ttgaacttgc gccgctgggt aagtgatgat cccacgact 180  
ggagcagcag gaagaagttg tgtctgagga agtgctgggc cgcccagagg gacagccctg 240

<210> 1180  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA455865

<400> 1180  
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cacaagaaaa caagtcagca agctcttaag agggcagcaa attcttcaca agtcagaggg 120  
ctcttgaacc cacaaaaaga caagaagtga gtgtaagatt ataaaatgtt aatgatgaaa 180  
ttccagaaca atgtactttt ctcaagctct gctgcaaat taacacaaac atcagtgtta 240

attacacttt gtcatgtatg actgagcttg ctttaagctc ttacactgaa aggaagtctc 300  
 atttcatgca caaaatctgt tgcattgctg gct 333

<210> 1181

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455896

<400> 1181

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 ctgacactga gcggtggggg gaccttgttg aggaaggaca cagcaggctt ggccactgcc 120  
 ctgaccagt accactcagg gctgcccctt ccagagatga gcgtagggtg gggctctgagc 180  
 gccacccta ggccgtctgt gtgcagcggg agtgctgctg tcctggcgcc cggcatcact 240  
 gtgccagagt cccagccca cctggcact ggcagggtta ttatgggggtg gacttgctg 300  
 tgttgggggc tcctgatccc aaaacatcta aagtcagggt ccagagaaca agccatgggg 360  
 acctgaccag caaccgggga cctccgtcca ctgtgcggga cggatgatgaa aagcaa 416

<210> 1182

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455962

<400> 1182

gcagggtccc aataatcggg aagttaataa aatgaatata ttttgatggc agaattgttg 60  
 aagacaagaa actaataaaa agtacttggt ttttagctgga actagcattt ggaagtaagt 120  
 ctagccagag gtaatttcca ctgtgaaatg cacactcaaa gtcctattgt aatattattt 180  
 taagggtctt aggaggcccc tcagaggaga ctgcaagggtc agggctagag tatgagaagt 240  
 cctaagggtt tttgtatttt gttttttttt tcctataaac cctgagggtg aaagctctgg 300  
 atagctcacc taaattactt tcctctaata taacccctca cagcctgaat ttctgagtat 360  
 tgcttgacca gtatgacac attcctgagg cac 393

<210> 1183

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455987

<400> 1183

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 gcaatgatag attttacaaa ttaaggcatt gttctttatt tcaaaatttt catttaccta 120  
 tatttttctt ggtcttagaa atatgaataa ttttagagctg gcaataactca ccatcaggat 180  
 ataataaacg gaggtttctt tgtctgaaat ccataaaatg tagtaatact ctattgtact 240  
 tttaaaaatc ctatttttgc agttggcttc ctctcagtga attagttagg tagttttgg 300  
 acatttggag ggtcataaac atgtcataga aagagtactg gcatta 346

<210> 1184

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455988

<400> 1184  
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 tctaaaaagt tgacattgta tatgattaca aagtaaagag tactcttggtg agagaagtta 120  
 catgttcatt gttaaggaaa ttatatgtaa atcacaaaaga tcatgggtctg tgaataatgt 180  
 gccatatctc acaaaatatg gtcattggaa tcttattaaa attatctaca ggtgacttca 240  
 gtttccattc tccacctctc gccttaagat acgaagcctt gacatgacca catcccagtc 300  
 agcataagct ccttc 315

<210> 1185

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456055

<400> 1185  
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 ctactgcact acttaaagat tttattgtat agcttggaaca aaggcacaag ctttatggaa 180  
 gagcaattct gggtaataat tacataatga cattggggct acaatacagg taatgaaact 240  
 ctgcttcttc agagacagca cccaggaac actttcattt tcctcttaag cataggccat 300  
 tttctcagtt tagacaacag c 321

<210> 1186

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456075

<400> 1186  
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 ggtctaattt atttaagcag gaggacttta aagtatccca cctacccca ttccacccc 120  
 agtggacaga aaggaaattg actgacttga ggggatgcag acatctgggt tattccaaca 180  
 gaccagtggg taggaggagg ggggtggtag cattatggcc tcggcagagc ccccccacct 240  
 gagcctctga aagctgactt tatctgtaag agggagggtca ggctcgccct ctcaatagcg 300  
 tgtatttga tgagatgagt ttcttctgta aagagaaaaa gatgttaaaa cctcattgtc 360  
 taaggccct catctgagaa gtcttgtctg accctctagc ccagcaggac caagggtgtg 420  
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<210> 1187

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456080

<400> 1187  
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 aagaactcta aacaatcaca aatgtctcta caaaaataata aatatcatgg aagttaaaca 120  
 tacatataaaa actttactat taaactaatc tcctgtatgt atatttttat accctgtctc 180  
 cccaacaaa aggatagtg cacatgctca aaccatttaa gtcttgcagt gtagttaccc 240  
 tctgttggtta ctgctacatt ctaaataaa gggttctcatt gtgtgttctt atacctaaat 300  
 aaaaaacagc taggaagtgc acttctataa tccaaattct gggttcagtta tgatcatatc 360  
 tgtacctgcc ataataata gcagaatg 388

<210> 1188

<211> 433

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456147

<400> 1188

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ttgattggtg cacacattta tcctgcatat atattatgta tatgcacaga gagacctcac 180
tattatgcc a ttgtagggg tctttttttg gaagtaacct attacaaggc aatgtcaaag 240
gttcagtaa ctactcaact ttgaatgaag ttcaaaatgt ccccatgcta agctgagtct 300
gtgccatagc aaaccatgat atagcaagtc tccagaatgt gtacaaatca atactctgtt 360
tgtataagtt ggtctaaaac taaacactgg ctaatgtctc caacaaggag gaacacatta 420
caaatttata agt 433
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<210> 1189

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456289

<400> 1189

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aggggaaggc aaagtatgct ggctggctat aggaagtgac accatacact gacaatcaca 120
ccatacaaca ggcgcaaacg actattcaac cacttatcag acacatatga aaatccaaaa 180
tgtttttattt tatttttttt tccttaaata gagataacca gtaaaacaatt ttcagaactt 240
ggaagttttaa aaacgtgcat ataaaaatgg gcattatata cttttttattg aatgtggatt 300
gactgcagtc tgctaagaaa aatgggggtgt gggagctgaa gaaaaaggaa gttgtctttt 360
tttttttttta aggcttgctt gtgaaaggaa cagttgt 397
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<210> 1190

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456311

<400> 1190

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aagtaaaaag gaacactgat gatcacttaa aacatttaaa tttaaaatta ctactaaaaa 120
aaccctgtac attcacacaa gtccaatgcc tttgttggtt ttacagaca tagaatttct 180
gtagggtttt gggccctatc aacaattttt attaagtact gcaataacaa aatacagcaa 240
taaaacaact ggacactcct aggggacacc aaagataaag ggcccatata tcagggtgtag 300
gccagagaaa cccaacctgt tggcaatatg acgctctttc ccaactgggt cttgggtgaga 360
cacgtggcac agcaaggctg tcagtgcatt tgcataaatt gtagaccagg tcccactatg 420
c 421
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<210> 1191

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456326

<400> 1191

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 tacaggaaac caaccctttt tcaacttttag ccactgatga gctaggccca ctgtctagt 180  
 catgactcac tttctacttc ttcataggac caattctaaa agtaaaaata aacacccttt 240  
 atcagtttaa cagtaactaa ttgtgtttct tttttttaa taaataaagt tactattaaa 300  
 ctgatcacat atggtagaaa cgtagaactc acacacacac cagcacacac agtccccaat 360  
 ttaaaatgtg atgtatgaat gacctatatg tacaaatggg tgctgctgac tccccaccc 420  
 caagcagagg ccatgaaaga 440

<210> 1192

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456415

<400> 1192

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 ctacagaaca tttccagttt ggcaacaagc agtcagtcga tcattcacat ttgtactcaa 120  
 gacagcaggc ctgggcaaaa ctgcctgaa tttcaccctg aaaagtgtct cccatcatct 180  
 gaagaagcag cacctggtaa caggcatggc cattcagagg gtacttagca ttttcatttc 240  
 acctggggtc ttgaagcact tcctgaaaac tgattgtgcc ttgacattta cctgtaaaaa 300  
 gaagtgtaat tctaccctt tggcagatgt gtaaactaag acggtgcaag gcccacagaa 360  
 gtaaggagag gaccaggaa 379

<210> 1193

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456583

<400> 1193

cagagaactg ctttattgat actgcgagcc tgggcttggc tgcccactca agtggctcctg 60  
 tagaaaatac ctgggagctg gagctgttct ggtccagaag cagtcaccgc cacagcagag 120  
 ggaaacaaat cctgacagga acagtcttct tggggatggg cagggatgtg cagccccagg 180  
 tcggctcctg catttg 196

<210> 1194

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456589

<400> 1194

agtataagga taagcaagct tttattccgt caagagaaca aaggtcagga cttttatcct 60  
 ggtgggggga tggggagtcc agattccttc tctgatgagg caaaaaaaga atcaagactc 120  
 ctgttcaagt aaagggcaga gggtagagag tagtactctt attctagaaa ggaagtagat 180  
 acttttcttt gataaaggaa tgaacggtag actcctagtt tgcagaaaaa gtgggaaaaga 240  
 tgtgacttgt actttggtaa ggagataggg aaggaattaa ggctattact ctgaagaaaag 300  
 ttgggggggc agggctc 317

<210> 1195

<211> 427

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. AA456612

<400> 1195

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gtgacggagt catcccagcg gcactggaag aaggacaagc cggctggagt catggtttct 120
tgggtgtttct tgtagaaatc aaaagtgcgg aagggtccgct gggccagctg atagcagggt 180
gaggggctgt cgtcctcaga gaagtcaatc ggctggtcct gcttgaagag caggaaggca 240
agacgggtgga tgccggagcc tcgggcaggg aaggggggga ggtagggaca cgtcacctgt 300
ccttcagcca cccggttacc cgggatgttg gtttagcagcc agtggaggta ctcagcatct 360
ggctccagca ggtgcccac ccaagctagt agtagcaacg tccacaagga gccctcttct 420
gcctcat
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<210> 1196

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456646

<400> 1196

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ttttaccaat taatctttta ttttttattg catacatcaa tatttaacag aagaaaaata 60
aagaacccct aatgttaaac tgaattacat gttatcttct gattcttttc aatgtagacc 120
taaattttca catgtatcag taaacacaat ttatgttctt attaacattt ttgaatctca 180
cttttttgca tacaatttga catatatcaa tattattgaa tggctatata acattctgtg 240
atagcactag caatacacca aaatttactt aaccatttcc aatcgttggg cttttttccc 300
ccttaaagtt atctgagtgg aactgctaga aaactttgta caaatagctt ttctttcttt 360
taaattttt cctgggcata tg
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<210> 1197

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456687

<400> 1197

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ttttgtgatt tttgaatgca cgtgcgagc aagggtcctt cttagagaag cagtcaaact 120
gtgaagcact aagctgaccc tgcttcaagc aattttgttt ttacaactgt tcctttcaca 180
agcaagcctt aaaaaaaaaa aaagacaact tcctttttct tcagctccca caccctattt 240
ttcttagcag actgcagtca atccacattc aatgaaaagt atataatgcc cattttttata 300
tgcacgtttt taaacttcca agttctgaaa attgtttact gg
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<210> 1198

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456845

<400> 1198

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actttttaaac ttgtctctaa cttagaaaat tttttctaaa tgtatcgatt agtgtaaaga 60
aaaagtatga gtagttaata aatctgacct attatacaag aaatgcaatt ttgaaatacc 120
agattttcat tttttgtact aagtgtatct cattgtaggc aataaaaaat tgcattcacag 180
gcatcaaaag tgggaaaaaa ttgttccttt tatcaaccaa atagaaactt tcaataacat 240
acttttgagt ataaaatggg gatgtcttac atttaccatt atagagaggt cttgtgggta 300
gaaattttaa aagtgtttta agatgattaa gcatagacaa ttaaaagaaa cattatatct 360
cttgggtattt ttctcaagac a
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<210> 1199  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA456852

<400> 1199  
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 cacagcttgg tccccttgcc caccctcttg tcctccccac cccctactct tctgcctaata 120  
 gtcggtaaatg ggggcttcgg gatcgggacc ttgagcgcct tcgagaagag ctgtattctc 180  
 gactgtatcg gggggagggt gagcggctct g 211

<210> 1200  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA457235

<400> 1200  
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 aagaatgtgg agtgtgtaga tacaataaag aattcatttt atgatctgcc acctgttact 120  
 tgacagagga gtaagttagg gaaataaatg actcagttct tcatacatgc aaaggtaagt 180  
 tagttattac aaaagttttt gctggtgttt gtgctgaaag aaaagcatat gcatttaaac 240  
 attttttaaa aaataaatca ctcaataggc ttaagaaaaa tacttttagtt catagtccat 300  
 tgatctgacg ttttgattta agatcagggg atgaatccag gatgaaaacc aaaga 355

<210> 1201  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA457377

<220>  
 <221> unsure  
 <222> (1) .. (379)  
 <223> n = a or c or g or t

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 tggcccaggc aaggacccca cagagtgcac gtgcacacgt ggnnctggcc aacatgttcg 120  
 cctaccacac gctgggctac gaggacctgg acgagctgca gaaggagcct cagcctctgg 180  
 tctttgtgat cgagctgctg cagggtgatg ccccgagtga ttaccagagg gagacctgga 240  
 acctgagcaa tcatgagaag atgaaggcgg tgccgtctc cagggagagg gaaatcggct 300  
 cttcaagctg ggccgctacg tagaggcctc ttccaagtac caggaggcca tcatctgcct 360  
 aaggaacctg cagaccaag 379

<210> 1202  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA458652

<400> 1202  
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aaatgttttt ttccaatttaa aggctgatct taagaaagct caggggatag caccagaaga 120  
taaaggtaag ttggcagctt ttgtagttaa agttaatttt gttattttaa tacttatcct 180  
caggaaccat tgttcacttt gccagatttt agatgtttgt tcaacagaca ctacagaatg 240  
cctgctgttg ggccaggcat tatcatatag caatgaacaa gacagtcaaa gtccctgccc 300  
tcaaagagct tacattctac tcccattcaa gaatatagta gtttttcacg ttatttat 358

<210> 1203

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA458852

<400> 1203  
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ttctacaaaa ggcaggtgat gattgttgat ctgcaactat tgtgttggtgc actccccgaa 120  
agggtcagag taggaagcca gggaaggtgc tctgaggatg ctttctatgg agggaataag 180  
ggctgcagga cactcactgg agggagtgtc tgggcccttc tcctgtcctc ctcagccttc 240  
cctagctcat gtctatgggtg ttgaagaccc attctgtgaa cttcttcagc ttgtccgagg 300  
cgttctggga ctctctctgt agcctcaggt tgtcctctcg caggtgctgc acctccgctt 360  
gaaggtgagc tttgt 375

<210> 1204

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA458878

<400> 1204  
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ttagtaacac ggcacccagc cccaccgccg cccgcttcat cgggtcctgc tcctaggagg 120  
actgggctgg ggctgggggt ggggatggga tgggggtggg gaagggacgg gacgttgacg 180  
tttaaggcat ttctggcttc ggagccatcc ctgccacctc tgcacctgcc ccttgacctt 240  
ggtcagacac tggctggccc ctgggtcattc tgagacaagg acgactttca ctgacgctgt 300  
ggggaggatt tgcagtgagg cagccctcag ccgctctcag gcgagatggg aaagatgaga 360  
cccaccact 369

<210> 1205

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA458882

<400> 1205  
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tagaacatga aactttgttt gaaaaagtat attcaataaa ttttgatttt aaaacagagc 120  
tcttgacctt taaagtataa aaagtaatta caatgaaata ttcttcagta aatctgacac 180  
tttgggattc caggcaaaaag gatcgcttgg gtgccaagag ttcaagacca gcc 233

<210> 1206

<211> 399

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA458890

<400> 1206  
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cacagtggca caggctgggt ggagccgtcc ccccatggag cacaggcaga cagaagtccc 120  
cgccccagct gtgtggcctc aagccagcct tccgctcctt gaagctggtc tccacacagt 180  
gctggttccg tcacccccctc ccagggaagc aggtctgagc agcttgctct ggctgtgtcc 240  
atgtcagagc aacggcccaa gtctgggtct gcgggggaag gtgtcatgga gccccctagg 300  
attcccagtc gtccttgtcc tcacttacct gtggctgctg cggtggcggc agaggaggga 360  
tggagtctga cacgcgggca aaggctcctc cgggccct 399

<210> 1207  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA458923

<400> 1207  
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caggccgtcc ccaggatgct ggtcatgggc cagggtcatc cttgcacctg cggcagtagg 120  
ggcagcagcc atgctgaagc accagcaact catagtcctc agaatggaac atctggaagc 180  
aggaggggca catggtaatg gaggcgctcag gcagcagtga gcggaagtat tgccacctca 240  
gggggtgggg ccacgccttg atgaggacat cccggcggct catggagcgc acacacagcc 300  
ggctcaccac cactggcacg aaactctgag ccaccttgct caaagctcag cttagctgtg 360  
aacgggtcct catctccgat ggagtccttg gtctccacta gccgcagaat ctggggagc 418

<210> 1208  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA458934

<400> 1208  
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ctaaatacaa acacaattct tacatatcca gccacttatt ctgcaaaaca acatgccaaag 120  
atcaaccttg aaaagtttat aaaaaccaa atccagaaaa tatcttcctc aactctaagg 180  
actccatata caaatgcaaa aattgctatt tgtcaataat cacattaagt gttgagttat 240  
tgactgagca gtaaaaaaca atttctgatt tttaaattaa atagctccag ataaaaagcat 300  
gttattttcc acatacgcta tctttgtatt ctgcacagag ttccaaggca aagattgctc 360  
ctggctttat gaattaccag agatgatgac ttgtgtggct gacttatcac agg 413

<210> 1209  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA458946

<400> 1209  
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ggtagtgcaa aatgcaccac aacccaatta caaagaacag gtgttaacac acaatgttta 120  
aacaatgcta cactcatttt tggcaaagtg ctgtattgtt cagtctgtgt acaaaaactga 180  
ccatctatga accaatcagt ataaaaaatt tctataaaaa caaaatttag accgtggctc 240  
aagaaaacaa gctgccattt atgcatagat tgatgtacag taacctaac aaatgtccct 300  
tttgaatttt caagttactg aaaaaaaatg tgtcgagaaa cacattaaga aggcacatgt 360

acagtctaca atactcttca gtctccctaa ctcat

395

<210> 1210

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459005

<400> 1210

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agatttttta aaaatatttat acaaataagac taactttgat tttaaagtaaa catataaaaa 60
ttgagaagaa tattgcttgc aacaatggac ttggaaggag aggaatggat taggcagggg 120
tacaaagaaa tggctcctac tcggtagtgc caggcacatg cccagcactc tgcagaactc 180
tcacagggac accctctgct gcaccgtgtc cttcagccca caaagtctga ctgattttgt 240
aacaacaact tcagggtcagg aaaaaaacia atgcaagaaa atcggaaggc acaagcacc 300
atgtgatcta gaatgttctt ggggtgagga ataaggaggg aaagggatac ttttggttca 360
gcactacagt caatttcgcc attgttgaag aaaaacggta taaaat 406
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<210> 1211

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459254

<400> 1211

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aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120
ataaaagaac ttaaaagaat acaacttgaa caggactgtt ttactaaaat ggtcttggtg 180
caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240
ggggatgagg actctagtgc tcaaattctt agaacatagc acatgattct ccaggcagag 300
aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360
gcacaggcac acatggaatg aggccaccaa gcaagtca 398
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<210> 1212

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459256

<400> 1212

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tcattggagca agagtaaatt ctgtgatgat gaagcctctg aaacatgaat ttcaaaatgt 60
taacactaca aaagaaaaat gctagagaag cattttctgt gttgaaatga ctgaagtata 120
gtgagttatc actggcatat tctctttcag tgttctagga taaatatcaa cataaaaaagc 180
aacgccagac tgtttgacac cacagcactc gtttggtatt gctataatac agagttcttc 240
agaaagtctt tatatataga ttttaggtcg ttagcccaat ctgtaaatac catttgagag 300
caaacctagg gaggtcttga ataattcaac agtactatct tataagatag tattgttttg 360
aattctatgg caaatgaaag acaaccat 388
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<210> 1213

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459293

<400> 1213  
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 aagataccag tatactctct ggaataataa ctttacaaag attttaaaca aacaaaattt 120  
 taaaagcctt tttatttcct tcaccattat tgttttacaa tacaaatata accttgtgaa 180  
 tacacaaaaa aatcctacgg aagataattc tgctgcacgt aaaatacaga atggatatat 240  
 atacttcttc attcttaaaa aactattttg ttctccacat tggcaagtat agaatagaat 300  
 acttccccaac acatatgtat gttaggagta aaacttagag ttacatgcag tttctgcaca 360  
 aatatctttt aaagaaatag atctcttttt tgttgttcac caacaaaatt gtcatgagag 420  
 tatggataac taattcatag ctttcaagtt ttaggtaagt g 461

<210> 1214

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459310

<400> 1214  
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 gggaagtgtt agaggagtga cagggcagcc cggggccctc tcccaccctg agcctcgagg 120  
 cctggcgggg gacatgaact gcagaggcat cagataaggc ctccagaaagc ccaggccatc 180  
 attttccatg ggaccaggct ggctcaatgt ggaactggcc ctcccagagc agcaggagaa 240  
 gggctcgcac gggctgcccc cgtcacctgt gcctgacagg atggcgggga ggcagagaga 300  
 gagcatcaga cgccctccct ccccataagg ggcatggggg atggggacac 350

<210> 1215

<211> 170

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459388

<400> 1215  
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 cagcaaaagc agaaacaagt ataaaagtat caaaaattca aagtgtaca atgaggaaag 120  
 tgagaagggt tgggttgttg cccagaggga cctctgggac acaggattga 170

<210> 1216

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459389

<400> 1216  
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 tctgtgaaac taggtagaac tgaggaggaa tcaaagaaag cctcatatat taaactctta 120  
 aatagattct ttgaattcaa agtaagggtc aataggagag gcacagggtg tgggccttgt 180  
 cccagcaaac aaagccacca aggagtcctt gcaaatttaag gaggatggca aatctgtctc 240  
 ttaaaaaaaa gttcttgagg ggaaaaatat aaaataccta agtttcaaaa gccggactac 300  
 ttccatacc 309

<210> 1217

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459420

<400> 1217

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ggaggaactg atgaattcat tttaatcaca gaaatttgcc tgggcttgag caaactgtgg 60
ggactcaata gatttggagg cctcctctcc cttctgagag gcctgcctgc ttcttgcctt 120
gatgaatccc taatttcagt acaaaactgag gaacttgaaa aacatctgtg cactgggacc 180
gcccctcaca ggagggtgta aagagcacag ctgagtcagc ggcacattca gcaggcggtc 240
agtggggaag caggagacag a                                     261
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<210> 1218

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459542

<400> 1218

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<210> 1219

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<213> Homo sapiens

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<223> Genbank Accession No. AA459668

<400> 1219

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taaataatta ggctttgtag gctttaccat ctctattgca actactcatt tcaaagcagc 240
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<211> 303

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA459673

<400> 1220

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agatgcaatt tcttttgat ttacagcaac actttttggt atgttgatg tcttgtaaatt 240
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<211> 302

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<220>  
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tggttgtctt gtggtcatta aagacaatgt taagaatcag gactacttaa gtgctagtgg 180  
ttacaaattt tgttctcttc agtttttcat taagtaaatt ctaatagatg atatacatat 240  
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<210> 1222  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA459703

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agtcccctct ttttttttcc ttcagtgtgg tccttaagca tcaatgtttg gtggttgttt 180  
ctagcaagtc ttttgcttca tttatttttg ctgctacgta aggagatcca cctttatctg 240  
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<210> 1223  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA459961

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gattttctta caaaaagtta aagctacaaa cttcacattt taaactgta catagcaaca 300  
acatttaagc tttttttttt ccaagttggt ccgagtgcga gctggtaaaa gagatttttt 360  
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<210> 1224  
<211> 283  
<212> DNA  
<213> Homo sapiens

<220>  
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tgaataaagg gtgaatgtag tctcaaatac tcaaagagtt gtgtttattt catcgacaaa 180  
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<210> 1225  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA460017

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 gccgtatttta catatttagg ggttaaaaaat attcacagtt cagggtacag ggaggccaaa 180  
 ggggagtgagg gaatgtttct ccagggtgtaa aagctctgga agcccctagg aggggtacggg 240  
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<210> 1226  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA460047

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 ggaaaggtat tttttttaag ttctgttggc tagctatggt ttccagtaca ttccctactt 180  
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 tatttttgtt tgatttttta acttgctgca ttgttttgat actttctatt tttttggtca 300  
 aatcatgttt agaaactttg gatgagttaa gaagtcttaa gtatgcaggc gtttacgtga 360  
 ttgtgccatt ccaaagtgc tcaagaactgt cattcccttc taatatcttc tcaggagtaa 420  
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<210> 1227  
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 <212> DNA  
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<220>  
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 ggaacaagca catcatgatt gacttgggga ctggcaacaa caacaagatt aactgggcca 180  
 tggaggacaa gcaggagatg gtggacatca tcgagacggt gtaccgcggg gcccgcgcaa 240  
 gccgcgcctg ggtggtgtcc cccaaggact actccacca gtaccgctac tgaggcgccc 300  
 tcagtctgcg cggataaatg tcgtggagcc ctttttgat ggaaacgttt taagctattt 360  
 aaagcctttg gaaaatacag gaagctccag ggctggagca cctctgagat ggaattgata 420  
 acatggtctt aactcaccga aataaacaag cacgtggtga gaggagcagg cctacttggt 480  
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<210> 1228  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA460449

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 caaagaaaac agtagagaa aaaggatagg gtaatttaac agaaatgttt agtttaatgg 180  
 cataattgaa aaacaaccaa ccaatcaact ttctcttcta cctatggaaa gaatggtaaa 240  
 aatgaatcaa gaacttctag gtctttttca taaaacagct taaaaagagg aaggcgaaga 300  
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<210> 1229  
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<220>  
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 agggctttgc ttccaacact gaaatgaagg gctacgttca ctccaccatt gagagtttctt 180  
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 cttgtggcca tcaactgacct cagctagatc aggccagaag tgtctataat acaaccacgt 360  
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<210> 1230  
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 <212> DNA  
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<220>  
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 tgcagaccca ggacgagggc tgcacttggt gtggccgtgt cctgagcctc agtgaggctg 180  
 ggcagatggt ctccggagcct ccatggggcg tacgaggaac cgggcttggc ttcctattgt 240  
 gactgatgag aaaagtgacc acgtgggggt cagtcggggg caaggggctc agc 293

<210> 1231  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA460666

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<212> DNA  
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<220>  
<223> Genbank Accession No. AA460909

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acagcaggaa aacccaagaa tgagacagag gccagtggat tctggcagca ggagggatcc 180  
gagcgtgag atgaggcccc agctgctaca aacacgcact tccacgcaga gctccaggct 240  
ggggcggcag ggcgaggata cagaagtgtt gggagggggg acggggccaaa gtgagggtatt 300  
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<211> 417  
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<220>  
<223> Genbank Accession No. AA460916

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agctatagca atttaacagt caaatttatc agaacattgt acattaaaaa acacaaacaa 240  
caacttaaag ccaaatatct atagtaaacc aaggaaaatt ctgatatgga atggtttgac 300  
taaaagcaaa gaataaggca cctgctatga atttagcaca accataaaac agaattagtt 360  
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<210> 1234  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461057

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ctgcaagtct atctcttaaa ctccacttgt gtgtacacct tggatgctgc attgtacctg 180  
ccttcagggg gttggtagtt agggatcggg ggtgtgtaat gtggcccttc cttctcaaag 240  
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agttcctcca gagcttctcg ctgggcttct agcata 336

<210> 1235  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
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gaagagatat tgagttcttc cagatttttg cttagctggg tggtttccga actcaacgga 180  
ctctccaggt aggtagttcc agcacagggc tttcctgtca ctggatctat gactttttcca 240

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actttgaaaa cgatctcagc cagttcatgt ttcacatgct ttgctcgtgg aacaggtaaa 300
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gttttccgct tattaataa ctttaataaa tagggatcca gaacaagcct ggctactctc 420
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461187

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accaatacac actatgttgg aggaacgact ttaaaatgta aaatgagaaa tgggactga 180
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cagctgaagt tgggacatct aagagatgtc agagccatac tgctgaggaa agcacagcat 420
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<210> 1237  
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<212> DNA  
<213> Homo sapiens

<220>  
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ggaggagagg ccggttggg gtggggcctc gcgcctagt gccggccggc tcagcccggc 180
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ccggcggcaa accagtcact cggggaggaa tgccggaggag cgctcattcc attctattta 420
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aaaaaaa 487
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<210> 1238  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
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acattttgca ttctacatga aacatttggg ttaaacaataa tcttaagaat tctctatttt 180
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tgagatttat ttgccggtca cgtaatacgg aggacagcag ggaacaacac aagatttacc 300
atgcctaggg gatgaatggc aaacccaact ttggctaattg tcattgagaa caacttgga 360
gcgtga 366
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<210> 1239  
<211> 311

<212> DNA  
<213> Homo sapiens

<220>  
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tttgtgagtg agtagagagg gtagtgagg atgctgtcca caatgtattc atctagttaa 180  
tgaattgtat ggcccacaag ctcaaacgag agatacatta cagatgggtg tattataaac 240  
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aaaagcctgc a 311

<210> 1240  
<211> 517  
<212> DNA  
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<220>  
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cctaaaaggg ctctgctaaa ggagatcact ggaatttccc agatccctgc cctaagcgtg 180  
gagggtcctt ctcaaacact cttccataca gggccataac taagacaggc aaaggggctc 240  
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gactccact tagaatgac tgtgggaaaa cataacgcgt tccaaatgtg ccactgaggg 360  
agaagtcttc aaacttggtt aaagctgacc ccacagggtc tccacacgtt tccaggtcag 420  
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<210> 1241  
<211> 264  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461458

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taaataaag tcagcaggct caaaatgcag agcttggtta agtcacttct gtggaaatat 180  
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<210> 1242  
<211> 455  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461473

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ccctgaagag agtgcatttg agaacgcagt tctatcatag gagaccactt gcagggaaca 180  
cattaaagcc attgctgaca cagccatctg tcattcctgg tttgccgtca tttaagtagt 240

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<210> 1243

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA461476

<400> 1243

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cggggtgcaa aggtaggtca tgccgcagca gctggaggtc cctagggttg tcttcaaagt 480
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<210> 1244

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463194

<400> 1244

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gggccccagg gcacgccct aatactcctg ctctcccttc accctggcta gagaaaggctc 300
acggagaaga gacagggggag cagggtcccag cagcaggaga agcagcagca gctgt 355

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<210> 1245

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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463195

<400> 1245

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ccacagttgt tagaaaaaca ttaaaatcca tgcgccgggc tctcatttcc atgtgcgcct 180
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gactctttat ttcacaaaat tagcaataat cttcctcgca ccaaacactt tgcagacaat 300
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<210> 1246

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463234

<400> 1246

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ttttgatgat aaacgacttt actctaaaag cggctggaac tcagtgcacat gagcgtgcgc 60
tgacccacaca tgggccccct gtgcaagcag agctggcccg cccctccttg ctggcagagg 120
cacgggaggc ctgctgggga tgaggccact ggccagggtt atgctgcacc agaccaatgg 180
caccgccccca cccctcccag cgcaggggca gcttgagca gaggcagcac tggccaccgc 240
tgcgggggca agtcagcgtc aagagagtcc ctgagtgaga aggccagat aagcccaggc 300
ccccaggcc agcggacagg cacaggcagg gc 332
```

<210> 1247

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463254

<400> 1247

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aagctagaaa aaggccaaaa agcaaacct gagaaaacaa tacgtgttgt tttctcagga 60
aaagaaaaac cttcatgacc ctactgaaga gcattggaga tcagcttccg ctaagatgct 120
agcttgccca agtctgttat gtacacctga aaaagtctta gcagagaatt tttgcattcc 180
cacccaaaag ccctctcagc cactcaaatg cctatcttct ccagtctaca agttacatg 239
```

<210> 1248

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463311

<400> 1248

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caccagatga ccacggcagg gccgtgctgg gtgagggccg gggctccgat gccttcttcg 60
acgcgctgga ccacgtcata gacatacacg gacacatcat cggcatgggc ctgtcgcccc 120
acaacaggta cctgtacgtg aacagccgcg cctggcccaa cggctgcggtg gtggccgacc 180
ccatgcagcc gccaccaatc gcggaggaga ttgacctgct ggtgttcgac ctcaagacca 240
tgcgggaggt gaggcgggct ctgcgtgcgc accgcgctac acgcccacg acgagtgcct 300
cttcatcttc ctggacgtca gcagggactt cgtggccagc ggggcggagg accggcacgg 360
ctacatctgg gaccgccact acaacatctg tctggccagg ctgcggcacg aggatgtggt 420
```

<210> 1249

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463725

<400> 1249

```
gggggtcatat ttttgttcac tgaaaggacc aaccagtttc atcaaacaag ctttagagaa 60
agagaaactg agtaattcat cttgtcagtt acagttcaca tatatgcaca cacatacaaa 120
ctggctcagc atcagtgaat cataactatt caaatacaaa agtataaaaa acctctttta 180
aaaaccaata gcagccaaaa cagaacattt gtaaacaata ccacaactat cagccctgtg 240
cttaaacaca gaatctgcat tcttttgaaa cattaagtat atgcaataaa gagaatatag 300
accatctttt tccttaatat acaataccca a 331
```

<210> 1250

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463729

<400> 1250

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aaaaaagatt acaaaaactga atttattgag attcacacaa gatgcactta taaaattagt 60
actgaatgcc attaaaacag aagaaatgaa cataatcccg aactcccaac agcatctgca 120
aagggaatgga aatcttctga aaatgacagc gcagtaacag aataattcaa gcggaactga 180
agatctatcc aaaccatgtt cctgctctga aatcaggggt gtgttttgga aagctttccc 240
caaaactattc ca                                     252
```

<210> 1251

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463861

<400> 1251

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ggatatttgt atagggcatg aagaccttaa gaccctgagg gtgctgtgaa caggggaacag 120
tctgatatct ggaaccaaag ggcaaggaaa ggtcctgggg ctgaagtggg gacaaggggc 180
acaaaaaagc cagtgggggc aggtggtgct ggccaaggct agaggcggat gcaacaggcc 240
ctcttctccc caggggccag ctcctgtcca gcctgggcac tgccagaggg tgatggcatt 300
ggtcaggatg ctgttctgtc tctgcttgga caccttcgca aagatttctt tcaggacagt 360
ctcaaaggct agctgcaaca ttggtagagt ccagggctga ggtctccagg aagagcagtc 420
cattgttttc agcgaacatt cgggcctcct cagtgggcac ttcccgggcc tggctgaggt 480
cacttttggt accccgagca tgacgacgat cgtgggttca gcatggtcac agag       534
```

<210> 1252

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463876

<400> 1252

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tgcttccaac tgttttattg ctaaactatc atgatacaag ccgtataaaa atactttaca 60
tataggaaaa ataaactaca ttaaactgga gattaaaaac atttgcatag gaatgtgatg 120
tattcaaacg cttttaacag tcaggatttt ctaaacctaa gcctgccagc accaccatgt 180
tgagagagacc tgtttggttg agaattgggt ttctctcctc tgagggctgt agaggccaga 240
ggggtgagtg aggttctttg acaagatgtc caggatgcta agcttgtccc aacagccata 300
gcctcgggtc gctcaggcca atcagaatgc tgtgagcacc tgctctaata gaaacaacat 360
catttgcatc cattccattc aaagcttgaa ctcagcaggg agtttattct ggtcagccaa 420
cagctgcata aaggtagaat gttaataacc cttcacttcc agctcccagg accctgatgg 480
ctcaggagag                                     489
```

<210> 1253

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463934



<400> 1253  
aaacaaggag tttagtttta ttttctctgt gcatttgcaa aatactcagg accaacataa 60  
aaaagaaata cctcctgtgg aaaaagttac attaaaaagg ggaatggagt ggggggtgctg 120  
aaagggatta gtacctttgc cccaaggagc tacagcatct ctgattggtc caaggaatag 180  
aaaagatatt gggaaaatgt aacaggagga aggaaaatgt gaatttactg agggagaggg 240  
cctcgaagtg ggcctcgagg gggaaactgt ggccggggag tgggtctggg tggagggaga 300  
ggcccccgct ggtagccata gggtaggggt cgtgg 335

<210> 1254  
<211> 270  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA463946

<400> 1254  
ctttacattt tcccagatca tctttactta aagatttttt gggagaaaaa ggtaggcagc 60  
aaacattttt atattaaaac aaatgcagat agtaatatg aaatagtata taaaattgac 120  
attacttttt gagacaaagg aagagacatc aaagacattt taagccgagc tcctcatgag 180  
cttcctaaac cccaggggag ggaagagacc cctgcattct cgttctgtct aatattatca 240  
gtggggctgt tttgacagag aagtctcaga 270

<210> 1255  
<211> 260  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA464043

<400> 1255  
cggcactccc ctcacacctc ccaagatgaa gctcaatgaa acttcctttt gaacaacgca 60  
gctgccatga tgccttggga tgccctggtc cccggggact caggtgcctc cctgattcct 120  
gtgggaaccc cgggttcagg gccagggctc cttggaataa atggttattg ttactaggtc 180  
cccaccttcc ctcttttctg gaagccaaag tcagcctccc caataaagtc ctcactgcca 240  
aaaaaaaaaa aaaaaaaacc 260

<210> 1256  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA464188

<400> 1256  
ctgaggttgc ttttattcca agacctctgt gagctccgcc cagataccat tggcgctctg 60  
ttgtgtcccc aggggacctc cacacaacag caccagcacc atgagggcgc tctcgaccca 120  
cacaagccct ggtccccgtc agtcaatgtg actgagtcgc ccattgaggc cagtctggct 180  
ggccccaagt ggtccctctg agtccccaac tccctggcca gcaaggagtg aagctccatg 240  
ccccttggtc cagcctctca gagtctgagc atatcctgca gcctcgatct caggaggcaa 300  
cgcatgcagc cccctctcac tcagaaaggg ggcttctcca gtcgtggtct tcttctctgt 360  
ccacaag 367

<210> 1257  
<211> 323  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464251

<400> 1257

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ttttttttaa gcttttttatt atagacattt tcaaacatat acaacagtaa aatgaataat 60
ataatgagcc ctcacacctc catccctagt aactgattat ccgtgtgtgg cttactcttt 120
gatcgatact ctcttgcttt cccctagccc ccacagttag actgtcccgc agcaaagccc 180
agacagacat cctatcggtc tgagaattcc ttatcaaaag cttcccgaag aggaactcta 240
tatagggcag gactaagtgt gctggctata ggtctgcaga aatctcaacc cttggggagcc 300
cttgggtggg gcctgggcag gtc                                     323
```

<210> 1258

<211> 91

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464414

<400> 1258

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taagatgaat aaattgaaga cttttatttc ctccaagaaa aatgtctggc acttggaatt 60
ttcaagctgc aagtagatgt acacattttc a                                     91
```

<210> 1259

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464423

<400> 1259

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tttttttcag aaattgaaaa agatgtatta aaatattcac aaaaatacaa ctgaagatca 60
aaaaataata atgagcttga tgggtttttcc ctagctgata tatttccatt gaaaaactag 120
agatagtttg aaatttcaat ctctaagtaa tgccttttga gtgctcccat acagaattag 180
cgcataattt taagacgacc ctgtttgccca ggacgaagac atggagaggg cagatctgct 240
cttaggcaac cttagtctgt tatctgcaac caggaaagga gtgctgaggc acagggaaaa 300
ggggagccaa aagggctgca ggggtgggtg tgcagggcat gggaagaggt cctgccctga 360
gaggctcatc tcagtgtgag cagcttcctt cagggaaacc tgtcctg                                     407
```

<210> 1260

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464603

<400> 1260

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ggattgtgat gtaatcttta tttcttactc tgagctccag ttagaaaagt ttgacaatca 60
ttgttataga gctatgttca cacagtggag actttctgac tcactgtgag ctctgctgta 120
tctatgcgct ccccgagag ggacaacttg ctaagggtaca gtcctgtcca ttggcatgga 180
tatttactgt tccacatggt gggaaaacca tgtgcaataa aatcaaaca tatgaaacaa 240
tggtgtgcat tgtaccacag tatacattgt atcttggtga aggttcttaa attactcctt 300
ggagtttctt aattcacttc aggaaggatt tgttgtgttc cgtctttatg                                     350
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<210> 1261

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464606

<400> 1261

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tatccaacca tttataatct ttattctata attctccgcc agtgctagaa ttttcttccc 60
aatggcctc aattcggaca ctgaataaac gataatgaat tttttaaaagc tgtgcttaaa 120
tataaacaaa ataaaccgct aagtttttct ggctccaagc acgccatatg aagcacgcca 180
atgtcactta tgtgccctga tcacattcag gcaaagtgtt cttcacttta aatactcctg 240
tgttccatta ttgtttaagt aaaatcctat ttcaaagc tttgataaca gagaaaccgc 300
ctgtagacaa actctttgaa agtgactgaa ttaatgt 337
```

<210> 1262

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464698

<400> 1262

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cacaggaaaag acaaagcagg agcgtgcacg ctctctcttt ctctctttaa ttttggtttc 60
tctcaagctt ccaaagtgtg ctcaagtgtc caaggaaaagg aagggaaggaa ggaaaaggag 120
gggagaggag gggaagggga ggcagaggag gaacatctgg aaaaaaagca gcctgacagt 180
ccagctgttt gcaaactcat agcacatcct ccagttacat ggcagaagtt ggagggagg 240
agggccaaaa agaaaaggga gaggaggaag aaaaataact taaataaaca cacacacaaa 300
gaaaagagaa ggcaacatga cgtgagctgg tgatccatga aggcagggag ggaggggaac 360
cgttttacct gtgctgaac 379
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<210> 1263

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464722

<400> 1263

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gcagttccag acttcaatca acattttaat taccaagtct atatttagca agacaatgtg 60
ggagagataa agaggaagga aggggtaggt ggggaggggt tctcaaagga gctgacccat 120
tttctgcatt ggctgcagag ccttgcatgc ctggccagga gttcttggcc ttgtgcattt 180
cagaagtgcc gagacagtca aggaggtac 209
```

<210> 1264

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464962

<400> 1264

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gtttttacct gctttacttc caaaaagaac acaaggcata gctctctttt tcaattaaac 60
agaaaactac ataattacgt tcaaacactc actgaagagc ctgcctcatg ggaagggcag 120
ggctgtcgtg ggaagagtca gctgcacttt ggcaccatct caggtgcctg tccaagccgg 180
atctgaatgg gactggtcaa gtgaggggtc agtctctgag tctgcgtca cacctcttct 240
ccagatctgc catctccttt aggaccagg ccacgctgta ccgcagctcc tggaacttgg 300
ctgtggggac ctcaaagcgg tatgctgacc catctgaaag cttcagctgc atcaggacgc 360
tcggctgcag ggagcgagcc agggcactgg tggagattgc tacatc 406
```

<210> 1265

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464963

<400> 1265

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actttgtgtg ttgtgtctta ttaacaccaa aatgtgccac atcatggttt agaagaggtg 60
gaggggtgcag gcaggaggct ccgaagtccc aggcaggcgc gcagcctctg gcatctccat 120
ggactccagc tggagagcct gtccgctcag caacacccca ggcagcacca agaataacat 180
gcccacaaga acatcatggc caagagacgc acaggcgcac cccgcttcca ggcacctttc 240
ccacctggcc agaagtccct gctgtcatcc cgacttgcac ggtgggtttt gtaaccagtg 300
ggctgtgcag gagtgaaggt ggggtcactt tccttccttt cccagctgct ggagtcggaa 360
ctgctgcctt tgtttggcgg ccttgtttct taaatcagtt ccctcttagg atttattaca 420
ctaaaaaaaa aattagtttt tgaaaagaaa tagg 454
```

<210> 1266

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465000

<400> 1266

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caaggctttg aacccccacc ttgtcctaga acctaccccc tctcaaggat gcgctcttta 60
tttctaccct gtctctcccc gccacccccg acttcccgtg gaaattccca actcggttct 120
catggaggag tgggtggaga caaggaggga gtaagtcgta ggagtacaag gtttttattt 180
tttttaacag tgattaaaaa atttattggt catttaaaaa aaaaaaaaaa aaaacc 236
```

<210> 1267

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465093

<400> 1267

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gcacaggaaa taattttttt taataagaga acaatgaggg tcctaaagta gaaacataag 60
ccagaagaaa tctaaaaata gcttcctgat attttatttt aaaatatttc atttaagctg 120
cttttggttg catgccctga tctgtagaag ttaacaagga aataaaattt ccaagtattt 180
aaaaaattta ctcatcttcc ataaagcgac ttttaatgta tcaacactta aaaatacaca 240
gtgacttaat gaagtatcag cacaactgca tagaattgag ctccagagaa ttatacactc 300
ga 302
```

<210> 1268

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465218

<400> 1268

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ttttttttt tttttgatga ggaagacaaa ctttatagga agctgcaaaa gaaatgagca 60
gacgggatat ttgtggtaag ggatacaaag aacatacaat tgtgtacttg agaggtttca 120
tggaacatta tgacccatcc aatgaagaca tcaacattaa caacaaaaat taattgagga 180
agagcagtat gaaaatattc taatgcagtg ctgtccaaca gaactttctg tggatgatga 240
aatgttccat atctttgtgc taatacagaa tctaccagcc acatgaatac tcaaaatgtg 300
gctaattgaa ttgaagaaat gaatttttca tacaatttac tttaaattta aatagtcata 360
tgtgactagt ggctcctgaa tgaacaatgc agttctaata 400
```

<210> 1269  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA465233

<400> 1269  
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taccaaaatt taaacaaaaa ttttatccaa atcctttccc acaacaaaat tggacatcat 120  
ggaaaaaaa aaaaacacat tcaataaagg ttcccatctt tctaccataa actggttagat 180  
tctgggagga tgaggagtaa gagagaaacg aggagagaag atagtgatac taaacacaat 240  
ttgatcttca gtgttgcttc atcttgaaat agcttaataa ca 282

<210> 1270  
<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA465240

<400> 1270  
ttcacaaaaa ccagggttct aaattatttt ttctcagtgt ccttcgtgat catgatgact 60  
tatttgtaa caaactaaaa tatacatcat ttcttgcta ttataaaatc tcttattatt 120  
cacagatata taacgggaga tttggatgaa ataattacaa acttttttcc ccttaaaaaa 180  
caaacaagcc aaacaaaaca caaacaaaac aaaaacccca aaacaaaaac acaagacctt 240  
tctgacgaca gttaacacag gggctgctgg ctctctccc gccatcctcc gcgcctgctg 300  
ggccgcagtc gcaaagtgtc ggggtgtacc cgacacggag gccccagggt gctctctcca 360  
aggctgactc ttgcgttccc ctgccctgcc tccacctccc ctcatctccc aagcctttgt 420  
cgagggcc 428

<210> 1271  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA465342

<400> 1271  
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ctgatattta ataattggcta tatgcacaaa agaaaacaca ctttttttgt taaggggtga 120  
ggaagttaga gaaagcatga gaaacagggg gcatgtgggg tgaggcgggg caggagtgga 180  
aggctgcagg acccccagct cactccctgc ctgcggacac ccatgacact acagatcaag 240  
gggttatgaa tgacatggat tcagatttct ttcatcttag acttcaacct agccttaacc 300  
ttttgtttca gcaccagtct aacagagcag cgcaggcggt tctcatccag cagcaatgct 360  
acttctcac ccagggcagg tgcattgggt gacc 394

<210> 1272  
<211> 390  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA465381

<400> 1272  
tttttttttt ttttttaaagt cccagaacat taggatttat tccttgatta gttcaaatga 60

```

tttcaacagc tgaattcctt gagatgtgta aggcaggttg gtcctttgga tggactgtag 120
actgaaactt cctataactg tagtgatatg tacacagcta catagcaaag tgcttcatta 180
tgaaaatgaa gaaaacagggt atgagaaaaa tatatttttag agtttcaaag aactcaaact 240
gttatttttc agactaggca ctgaaacatt ttttctacaa aaacttgcca gagattgtct 300
cttcgctgta tagttccatt atcaagctgg gctacagaca acagacagct aactagctcc 360
atcctcctga gaaacactgt gcatagaaat                                     390

```

<210> 1273

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465660

<400> 1273

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tttaacttac atttttaata atattatattt taaaaaaact tggagctggg ataagtggca 60
gcagggagga gggggccaga gctttacccc tctattacca gctgcctagg ggaaggagca 120
ttcaacgaag ccccgtaact ttaagtcctt aagggtctgt ggtatagaca accccaggct 180
tgaaaggggt aaagtcaggg ggatgggaaa ccacaaatct ggggtgaaga tggaggcaaa 240
tgccctgggg ggtggtcagg acatgtctca gagggccagg ttccaagtag gcatccacat 300
gagtaccccc tccccctaaa aggtctctga gagggccagg ccagcccagg gccactgggg 360
gggcaaactc tggcacctgc cccagagag tccagttcct cctgaa                                     407

```

<210> 1274

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465720

<400> 1274

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ctgggtgatg tattatttat tatgtaacag ttctgagaaa aaatccaatt caaaacatat 60
tactgaggat tctgtatttag tatatttttag aaatcgtata atccaaagct gatttttctaa 120
tatattttct tatataacac ttaaggaatt ttctactccc attatttggc tctagaaaaat 180
cttatgggaa acatttggtta cactagaaaa caaaatttaa gtacagttgt taggcacggt 240
taaaagggat gatacacaca aactataata attacaaatc agtacttctt tttgaatac 299

```

<210> 1275

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA470153

<400> 1275

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tttatgcaag aacaaattta ataataagct gtatctataa ttccagactt tttttccctg 60
caaaacctgg gaaacaagag ggatgaagga atataaacat cctaaaagcc tcatattggt 120
gaaggagact ttgaaattct tggcgttgat agatacatgc tcagatattt attaaacatt 180
tacagatacc aaccagcaaa ataaaaaggg aattggaact tctgtacctc ctttttcttt 240
tatcatgtgg gaaagtctca aagccctggc actgggagct gctcagaagg caagggccac 300
atgtgcccc agcttcccc cacccccagc acagggccag gaagccactg ctggtggctc 360
cctgtctgct gcctcccag cagtaggtcc cagcgaggtg ggggtggaat aggttgggct 420
gggagcagat tagcaaaccc tctctcccc gcaaggaaat aaccaggcca gataagacta 480
gccataaaac aaaacaaggg ctgatgtaga aaaggatttg at                                     522

```

<210> 1276

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA470156

<400> 1276

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ttttttaagc tttgcttttc ttcatttggc ttgcgtcaga aacacaaggc tcggcacagc 60
gaaggcttgc acccgccctc cgggaccctt caggccgcca cctctgctgc caggcagtc 120
aggctcctcag cttcccgggg cccttggttc gtgaactctg tgctcagctg ccacaccttc 180
actgtgccct gggcatcgct gcatgccaaag agctgagctt gctggctgtt gaactccaga 240
cagtagacag ggctttcatc ctgggtttgc ttgatcaaaa ctgtgggttt ctgggagctt 300
ttctggagat caaacagctg cacgtcacct ttcccagagg cagctgcaaa aaccaagggc 360
cgactgggg accagcgcac agcaaacaga tacttgaggg agagctgcag 410
```

<210> 1277

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA471278

<400> 1277

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acccgaggat ggcattctct ccgtgaagtt cagccccaac acctcccagt tcctgcttgt 180
ctcctcctgg gacacgtgcc gtgcgtctct acgatgtgcc ggccaactcc atgcggctca 240
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tggaggacta gatcatcaat tgaaaatgca tgatttgaa actgatcaga aaatcttggt 360
gggaccacag atgcccctat cagatgtgtt gaatactgtc cagagtgaat gtgatgggtca 420
ctgaggt 427
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<210> 1278

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA471384

<400> 1278

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cggcgagagt gcctctctgc tcctgtcttt tgtttggatg ccggcgctgc tgctgtagc 180
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ctatgttact tgccccaacg agaaggctcg caagaagatc gccacgaccg tggttgagaa 360
gcgctagcag cctgcgtcaa cctcatcctc agatacatcc atctattagt ggaaaggag 420
atcaggagga cagtaa 436
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<210> 1279

<211> 244

<212> DNA

<213> Homo sapiens

<220>

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<400> 1279

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aaaacattgc aaccagacag gatggacaag gcatctaaaa acccagtatc cttcaccttc 180  
cgaaaggagg gagggactgt agagttgccc aggaaaaagg tcaagagtct tccttctcct 240  
ggaa 244

<210> 1280

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476260

<400> 1280

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tgtgcagcta tcagtctgct tgccatcagg atattaaaga attcaacaat gtattcaaga 180  
tttagcctta ggcttaagga actttactga tttaaagaat tctgccttgt cacttggtat 240  
ctgagcaact ggcaatcaga actttataca aatgtaatca agtgaacaag aataccagaa 300  
aatctattta ctgctctctt aaccaaaatg gaatcaaaag aaattaaaca cacacaatgt 360  
agaaatgaca agtctctcag atgtggttta caaagttaaa aactgaatct caaagctaatt 420  
gc 422

<210> 1281

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476324

<400> 1281

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ttacagggtca gttattggac agctcacagg cctcttgatt cctaggagtc aataagaagg 180  
ctttggagtc caggcaggaa gtcagggact tgaattcctc cacacacttt tcgggaggat 240  
gtggtgagcg att 253

<210> 1282

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476333

<400> 1282

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tcaatgtaca atatatatat gatggtggcc ccacagatta taatggagtt gaaaaattcc 180  
tgtcacctgc tagggatgtc ttgatcctga cctgcata 219

<210> 1283

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476346

<400> 1283

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 catatgtatg agaaataaac gtaatctgat aatgcttagt taacttgatg attggacaat 180  
 aacaatatga actatatgtg attcactgtt acttcctctt tattcctgca gtg 233

<210> 1284

<211> 177

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476352

<400> 1284

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 taaaagttat tgtaggtaag accatgaaat ttcctaacac ttgattttta tacattg 177

<210> 1285

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476473

<400> 1285

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 tgtaaaaatt taactgaaat aataaaagaa acaatacaca aataaaaaatt atgagggttac 180  
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<210> 1286

<211> 317

<212> DNA

<213> Homo sapiens

<220>

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<400> 1286

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 attcgcttct gcttcttcgc ctgggctgga gcgatagggg cgagcagggg tggggccggc 180  
 tgggtgctgt acgcagggcc gtgcacgccg ttaataagtg acataaaatg tctacacgca 240  
 taagtaaccg tacttagggc ttctgcaagg gccaccagag cgcctagggt gcaagtgggc 300  
 gccgtttcac ggccgcg 317

<210> 1287

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476754

<400> 1287

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 aaagcagtg actgtctttt ctactggata acacttagtt ggcccatgac ctctcgcttg 180  
 gcctatctcc caagtacatt ttagagttta cagctcactc ataatttttg gttaaaatcc 240

atcttttctcc tgagaatcag gagttgcaca tgagctccag ctagctgctt ctctagggtt 300  
 cgtagctatt gaggctaagg tgcaaagtga aacctttggt aggtttcttt acacaggggc 360  
 accccatttc tctactggtg caatgaatgg ggaaggggta gggcctccaa aggacctggc 420  
 acactgtaat ccagaagtgg tgccccaggg agcaacgaat gcaccc 466

<210> 1288

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476944

<400> 1288

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 acatttccag tgtaatgaga gataaagagg aatactgcc accgaggaaa tgactttctt 180  
 caccatgctg accacactgc acagcgcccg atccggctgg tgaggatggg gaggtgggaa 240  
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<210> 1289

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477119

<400> 1289

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 cagttcactt tagctacccc caagtgttat gggcccggag cgaggagagt agcactcttg 180  
 tgcgtgatat tgatttcacg gaggatgggt gtcaaggagc ccctatctga ggggggtcat 240  
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<210> 1290

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477316

<400> 1290

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 ttcaagagag ctacgattca cagaacacac aatatgggtg ttagctact gttcaccagc 180  
 ctacaggttga tttaaacaaa caaacaaaaa aaaaatttca aagggatcat tcaagatgac 240  
 cgtataatgc ttgctgctgt ctttgcagat taagggttgc ttt 283

<210> 1291

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477549

<400> 1291

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 ctggcaggac ctgcagtgg ccctagtcac ctgtggcagc gaaggtgaag ggactcagct 120

tgtagcccgt gcctgagtag aacttgttct ggaattccac ccagtgcagc cgcagggcgt 180  
gcaggaaggc tgagagtccc tccatcacca gcaggatagc cacggtcac acggcaaagg 240  
cggcaaagat ggggaccagc accacagccg ccacgcccac ctcccggccc agggccaggc 300  
ctatgcgcac caccatggcc cacagaacct cggacagctg ggcgtgggccc aggctcaggg 360  
cccacaggcg caggtaggag gcggtgttgg agacgcagcc caggcagaac tcgatgggtg 420  
ggatggcctg gtgcatgagc actccggagg ggacgagctc gggctcctct tcatcatcca 480  
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<210> 1292

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477561

<400> 1292

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aggtagacaca aggcctctgt ccccagggat gggacctgca gggctctgtc acccagggca 180  
cccacagctc tgaagtgcag gcccagggtc tgtccagctg ggagagggca gaggtggcgg 240  
ctgggtgagt tgccggcctc agctgggggc ctgggggagg ccttcttcag cagagatgtg 300  
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<210> 1293

<211> 186

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477919

<400> 1293

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gagtgtaatg ggcgcccggc aaagctgctg gcctgtgatg gcaatgagat tgacaccatg 180  
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<210> 1294

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477978

<400> 1294

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ctcagcagtg tgcatagacc atttccagga gggctctgtc cagatgctct gcctcccgtt 180  
ccaaaaccca ctcatacctca gcttgacaa actggttgaa cggcaggaat gaaagataaa 240  
gagagatggc ttttgtgata aaa 263

<210> 1295

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478017

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 tgggggtcaaa ggaaaacagg ccacagccag gcccctcgat ggacgcaggc aggggaccag 180  
 gaatgcggcc cacgcagggg gatcgggaat caggcggaag gtgcaggttt gcagctggcg 240  
 ggaggagcca gcatgcccc atctctaaaa tattcccggg aga 283

<210> 1296  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA478104

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 gggaaccaga aaatggccag gcctttttgca ctagccaaca ctttccagtt gaaaatacta 180  
 ttttacacat atagaacact tataaaatgc acttgcatgt aaacactgta aaatcctgcc 240  
 atttataaatt ctacactcaa aaagctctaa gtacatcaaa aaatagaaga aattttctaat 300  
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 tactctg 367

<210> 1297  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA478298

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 caggaggccg acccaagtct ccctgctgtc atttcaggag gccgaatttt tccccaatcc 180  
 cagagaaggt gtcagaggcc tggttagcag tcttgctgat ggtttccctgg gtggtccttg 240  
 ccagctggtc catggctttc tgccccgcct ctgtggcctg gtccaccact tgctgagctg 300  
 ccgctccggc cgctgacacg gcttccctggg cgggtccctc cacctgttgc ttcaggctcct 360  
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 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n = a or c or g or t

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 gacacagttg gtgtccagaa aagggggctc agaacacagt ttctacacaa gcacttggca 360

cccacacgac agagacgtca ctcaagcagc acagccacaa atagtttaca gcagctcatg 420  
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<211> 411

<212> DNA

<213> Homo sapiens

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<400> 1299

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cacaaaggta caaggaattt cagaaacaac attaaaacaa tcattcaaac tgtttcaggc 180
acggtttcaa ttaaaagcat agatttgatt tctgacttcc tgtttccttc tatgatacaa 240
tctcaagttt tgtttcagga agcacaatta ttgtagcggt aagggtggata cctgccaaaag 300
ctcatctcct agtgctgtcc tcattctcag aaagtctctg agtcaacaga aaggggacgc 360
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<210> 1300

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478416

<400> 1300

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agagagaggg ctacagagag caagaggaaa ctcaactctg agatatcaac attaattccat 180
tcatgaggct gaagccctca tgatctaaac acccccact aggccacacc tgccagtatc 240
atta 244

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<210> 1301

<211> 234

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478422

<400> 1301

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tgaagcaata aatacaaaaca tgccccacaa ggtgagaata aagccatcaa ggtgatgagg 120
aagaagtcac ggggattttc ttcttctaag tccaagcaca gtggcaatat ttcaagtatt 180
gcaaagaaaa acacacgtgt gtgtattttt gtctgttatg tggcgtgtga ccct 234

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<210> 1302

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478441

<400> 1302

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ggaaccagaa aatttatagt atcaaacaga ggaaagcggg ggcagaacag agctgggctt 180

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aagatcagaa aattttcttc ctgctcatta cccaagccca gagttcttgc cccagcttca 240  
actgccaaga taccaccctt 260

<210> 1303

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478556

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ggacctgcgg ctgctgagga caaaggccca gcgcctccaa ggagcttctg tgagcacctc 180  
ggctactgca gaaacgtgaa aggaggtgac gtgtcggaaa cccccaactt cattttcttt 240  
tccagtcgct tctacacctg gggccacagg acacagtaaa gggtagagaca gcacctgcgt 300  
cacga 305

<210> 1304

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478599

<400> 1304

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ccttcccac tcaagggtca agattgaacg ctgactcctg caggaagtct tccaggattc 180  
ccaggcagga atgatggctc cctgtccctg tagctccagg agttcttgct tcacgcacgc 240  
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ccacctacaa caggccagca atctaccctg gtgtgtttgt tggacagaat taaccatgat 360  
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<210> 1305

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478615

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gctgggaaag gatgcgcggc ctccggtgcc ccgcgcgcca tgggcccggc caaccagcga 180  
ccccgcccgg tggcgaggcg cggcctcggc catcggcgcc ctaggggcca gtaaccatga 240  
cgacggccgt tgccaaggcc gagagccaat agaggcgctg cgggcgctgt ttcaaaaacc 300  
taaagcaaac aacgaaaaac gctacatcgt tgggggaggg gaaagactga gaggacccgg 360  
ggccccctcc tgaggctcag accaggcctc gcggccccgg c 401

<210> 1306

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478971

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 <221> unsure  
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 <223> n = a or c or g or t

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 ccaggcgatc ccgatggaga actctcaaat aaacataacc tcccacagac accggctagc 180  
 tattgcctcc gtgaagcgag catgacttcc ccgcgcccgg agcctccagg ctacagcgca 240  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 caaggctgcc tgcaccccca tccaggcaca ggaccctggg caaagtctca aaagaggtag 240  
 tgtttttact ttgcaccaa caatacaaca taagtattgg gtacaaaaga ggagatttcc 300  
 ttccctctca cctcaacggg caaaaggcct tccatcttca gaagaggctt gtgaggacca 360  
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<210> 1308  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA479096

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 gcctatatct acctcccgcc ctccctcccc accaatctgg gagagggaag agcagagatc 180  
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 aggaagcc 248

<210> 1309  
 <211> 557  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA479132

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ggggcttttg caatgatagc agataactgt acaaatgtac agttagttat agaggttctt 480  
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<211> 534

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA479139

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 aaaaattgggt ttttgtggga tcaagctccc aagtagttca attttaagct tgcaagtttt 360  
 aaccgcata ctttttctat tcaaaacccc ccgattgctt tcatccctac ataggatat 420  
 atccaatgtg ggaaaaacct ccttgggttaa tctgccgggg aaacttggct catgggaaat 480  
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<210> 1311

<211> 447

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA479148

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<210> 1312

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479266

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 cctgattgct actttttcat cttaaattat atatttctc atctaattctg ccttccctc 240  
 gtccacagac atttgaggaa ggaaatggga ggggtgctgt tatcccttct tctttgcttt 300  
 gtccccgttg ttagactggc agcgtcagtt gctcggtggg cttgggttaga gccgtgggtg 360  
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<210> 1313

<211> 507

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479488

<400> 1313

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ggtgcatggc atgggaatac atctccctga tctttgagag agcctctctg gatattcttt 240
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tcagttcata aactctttgt ggtatgtagc aatcaaaagt catattactt ctgtaaaact 360
aacattatat aggggtgtata gtcccagaca aattatatga agctagattt ttcttgccct 420
ggcccaattt atcattcttc ctctgcccc cacctacctc cttttaaata ttttaggttg 480
cagaagcaca gctgaccaga aatttgc 507
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<210> 1314

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479498

<400> 1314

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gctcaccagg acgcggaaca gcagcagggc ccagggtgtg ccacgccgat gggagagcac 180
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gagaagaggg tggtagcga ggcggcccag agcagacaga gggccaggaa caccgtctga 480
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<210> 1315

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479727

<400> 1315

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gagcaaaagt ctgggatggc gatgcctggg tggggcagag aagtgtggcc aggggaaggcc 180
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<210> 1316

<211> 201

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479797

<400> 1316

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cggtctgagg actcttttgggt tgagtggcag gtgaggccct ggggccaggg tctgtcagag 180  
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<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479881

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 gagtgggtctg tgttgcttgg gagcccaacc tacaacccaa aggtgggggc tgggctgaga 180  
 ctgccggtgc ggcaggggaa gatggcacca agaattgacag tgcttggctc agctgccaga 240  
 ggggtgaggcc cacagctctc actggcggtt gctgtccagg ccaagcccag aatgatgcag 300  
 aggaaggagc tcagccccag gagcctgcct ctgcctctca catcctctgc ttccttggcc 360  
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<210> 1318

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479885

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 catgattgag tctggctggg gatgattcta aagggtcagg aaagtgaaaa gacattggcc 180  
 aaaaagagaa gttgcaggga gggctgacat cctacatgag aacacagcag acttccctct 240  
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 ctgaattttc tcagatgcaa tctcttccag aaagctttcc tgggtctgct ctgagctgcat 360  
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<210> 1319

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479945

<400> 1319

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 agccctgccc caccctctgc cctgcggaag ctaagtcccc agctataaga ccctgcccct 180  
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<210> 1320

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479961

<400> 1320

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ccatacatctg gatgctggat gacgtggcta gtagcattaa ttctaccttt gtacagtggg 180  
catggagact gaagaaacat tgtcactttc tcacatctcca gcatcaactg taaaaataat 240  
cttcgtataa accctgaaat gttcccagat gttggaaggt tccctctttg aggagatgtc 300  
tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360  
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<210> 1321

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479968

<400> 1321

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cctcaggatg gggatctggg caatggcagc aagctgggag ggggggtgcag ccaggatgac 180  
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tggtcccgcc acacaccca gcaggttgta gttctcacca gggtccttg aaaggtcata 360  
gagcagcggg ggctcatgag cagtcagaga gctggaggcg tggcaggcag ggtctgcagt 420  
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<210> 1322

<211> 493

<212> DNA

<213> Homo sapiens

<220>

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<400> 1322

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gcacagacat aatttggttg gcgtgattta aacatataaa atcagtaatt aacatttagc 180  
atatcacacg accacttttg cttttaacaa actaatcttc acacatggta acaaatacct 240  
atgatttttc atttagaaat attataagaa gactaaactt actattgcaa caacaaaaat 300  
ttaaccatt aaactagaaa ctctcttcat ttttccttct tcaaattact gttttgtgtc 360  
ttaaactgag ttggtcaaat ttgagcacat aattcatgta gagtgcacaga ctttcattta 420  
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<210> 1323

<211> 225

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA480991

<400> 1323

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agccaatcag cagaggcgga ctggctcagt tgcttgggca caggccctg gttggccgaa 180  
gacaattagc caccacctg cccactccca acgaaaggga aattg 225

<210> 1324

<211> 172  
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<220>  
 <223> Genbank Accession No. AA480997

<400> 1324  
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 <211> 375  
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<220>  
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 atccttccca cgatatatta ctatttagtc taagctttta ttcaaagggt gagaatgacg 180  
 aattcaagaa tttctttcat acataaattg ctttccttag ttctgcagat gggtaatctg 240  
 tttgagataa gcactgtcat gtttcaacct tagagaacaa aaagctatca acaagatagt 300  
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<210> 1326  
 <211> 400  
 <212> DNA  
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<220>  
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 ctttttttct gatattggag tagcatttca gattttggag attagcttag ggcaaagtaa 180  
 aagtcatgga aggcagtgtg taaataacat taattatgaa gctacttttc agaagctagt 240  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA481420

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 cacatccagt cccagcccaa gatccagtct acccaggcca tgtccccgaa tggcaggagg 180  
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 ggccccccca ttctccgcac atggtagggg ctgttaggaa catagcgtgg catcccccg 300  
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394

<210> 1328

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA481432

<400> 1328

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<210> 1329

<211> 313

<212> DNA

<213> Homo sapiens

<220>

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<400> 1329

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<210> 1330

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA481670

<400> 1330

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tgactttaag gaaaatgaag aaaaagaacc aaaatgactt tattaaaata atttccaaga 180
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<210> 1331

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482007

<400> 1331

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tattgacgat tgcagagtc aggattggag aggtaggggc tccaactgg gcagcgagtc 420
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<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482104

<400> 1332

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aagccccccc acctgggccc tggaggaggc tggagtgtga gagcctctgt gacgcgcac 300
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<210> 1333

<211> 199

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482127

<400> 1333

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<210> 1334

<211> 126

<212> DNA

<213> Homo sapiens

<220>

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<400> 1334

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<210> 1335

<211> 147

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA482319

<400> 1335

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<210> 1336

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482546

<400> 1336

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cgtagctccc acagatgacg ttgtcacctg cagggtgcac cgccaggctg gacacccatt 480  
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<211> 427

<212> DNA

<213> Homo sapiens

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<400> 1337

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caattttgtc aatatcaaaa gacaaaatca aaacatcttt tataatataa aacaaatcca 360  
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<210> 1338

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482613

<400> 1338

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ccaggcctcc agagggtggg accacagcag gtgcaggtag tgatgggtggg tgctggcctt 240  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA485060

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tattgtgtag aatactaaga aagcatcacc atacagcacg aaaagaaata ttgaaaacaa 180  
atcaacagcc tcacacttgg actcgccctg ccccaggacc caggaagagc cccaggagtg 240  
tgggtgattg tcaggtgtgg ggggtggggc cctccatggc ccatcctgcc cctcccttcc 300  
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attccagcct ccctccccc atacaaatac cattcctt 398

<210> 1340  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA485084

<400> 1340  
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ggactctggc aagtactgtc tgcattgttc aaaataagtg ttcttggtcg tgagctctgc 180  
aacacatact gatggcccag gaaccttctt ccatggttct aataaaacaa aggaccacaa 240  
catggaggtt acgtgagtca acaaaagatg ctctatcaca atgtgcgtaa aaagcaagtc 300  
tttgaaaaat atccagatct ctaaaggaat acaaacactc ctatttggtt ttgtttttgt 360  
tcattctcag tattatattt tagttgttga ggaaa 395

<210> 1341  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA485089

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ctactctctt gcatcatgca ccagacaca ctacaaaaaa ctattcata acacagtaag 180  
ggcaaacatt attcatgtaa acatctttca ttaatttccc ataattttaa aaaatcatag 240  
aattatagat attgaataag gctcatagtt ttagttcaaa ttccacaaga gaccaaagat 300  
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gcttctactt cttcaacata cctcacaacc taataaa 397

<210> 1342  
<211> 259  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA485326

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atctcttgac tccaagagtc atttctttca tttcttacag atctcacact tccagatttc 180
tcttttagcaa acatgatctg aaatcatttg taggtaatca gcacttcaag catatggagg 240
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<210> 1343

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA485405

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<221> unsure

<222> (1)..(465)

<223> n = a or c or g or t

<400> 1343

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tgccactgtg tttgccatct ctcccaagtg aaaagaacac tttttataaa aaaattaatt 180
gctccaagtt ttcaggccca ggggaggctc tcccattctc ctcttcaat agtcccgtcc 240
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tctgcttccc tgaagagatc atccacttcc tctgtgngt gagcttctcc cccagactcg 360
ctgagtttgt gaccgcaggc gnancgcat gacgtaacct ttcttctcct tgtccaccat 420
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<210> 1344

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA485413

<220>

<221> unsure

<222> (1)..(416)

<223> n = a or c or g or t

<400> 1344

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caatattgta gccttcagtc tgtggccgac gcnagagccc atggcaaadc actgatataa 180
gtccaagagt ccaaaagttg aagaacttgg agtctgttat tccagggcag gaagcctcca 240
ngcatggnga ggaaagatgg aaggccagaa ggactcagca ggggtctgttc tcttccatgc 300
ctccctttca cacatcgga gctgattaga cagggccac ccannngctg aggggtgggg 360
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<210> 1345

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA485431

<400> 1345

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aattaaaaaa tacaaaagcc taaggttctg gagacaaaac tgactagagt ctatgtgtag 180  
ccaagtgtg aatgacagtt tagccttgca gagtttcctt cttctccaat tacaatgtgt 240  
tacagaattt ggaagggggt gtctttaaaa acgttctaata tcaccccggt catgaggagg 300  
aggaggagga agtccagctc agcaag 326

<210> 1346

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA485697

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taggagactc ggaccggcag ccctggctcc agcttcatca tctgtgtctt cctctctctg 180  
ccaggctctt cgaggggatg caggaggctg ggcacgggtga gctggcaggg ggcttggtct 240  
tcgggtgccc agcg 254

<210> 1347

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA486407

<400> 1347

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gtgcaaatc actttgcaac ctccaccatt caatttaggg attgatatgt atgtacagtg 180  
agatccatgt aggctaaagt gagtttctact ttgtagttga tgctacttgt accagttcta 240  
tcattagtaa gtcaccgttt aattctgccca aaatcagaca aggatctttc tggtttagtgc 300  
aaacaaggtt ttccatcctg ggctgcagtc tgacccgccca gtgctcagta ggcattgcttg 360  
tgatgaattc gcacactttc cagttcccca cctccaatgg cggccagggt ctccagcctg 420  
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ccttcagtt ccacctgcag agttcgg 507

<210> 1348

<211> 169

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA486410

<400> 1348

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acactaaaac acacaattgt caaaaactag aaaaatgagt tatgtccacg ttttaaaagc 120  
aaaactttat aaattttctta ccacactcat tcccaagttt tatcccaca 169

<210> 1349

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA486511

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 ggtacttcga cgtgagggac aaggaggacc agtggatccg gatcttcatg gagaagggag 180  
 acatggtgac gctccccgcg ggattctatc accgcttcac ggtggacgag aagaactaca 240  
 cgaaggccat gcggctgttt gtgggagaac cgggtgtggac agcgtacaac cggcccgtg 300  
 accatthttga agcccgcggg cagtacgtga aatttctggc acagaccgcc tagcagtgt 360  
 gcctgggaac taacacgtgc ctcgtaaagg tccccaatgt aatgactgag cagaaaatca 420  
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<210> 1350

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA486567

<400> 1350

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 aatgtthttg gtttatcaac ataaccaa atgtataaaaaa tgtthtttaa tacaagacat 180  
 aactataaag tcatgaggct gattgacctt ttaactaac ataataaaat ctatatgggc 240  
 aaaatgagtg gtgatgcttt aaggtaatga ttatgcgtcc catctaagga tgctgcaatg 300  
 gcctag 306

<210> 1351

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA486794

<400> 1351

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 acaaagtgc aattaaaaaa tttatttttag accaccaaaa caaacaaaac aaacagaaa 180  
 caaataaaaa aaagaaaaga aaatagtgc aggtgtggga gctcactcct gtaatcccag 240  
 cactttggaa tgccgaggcg agtggatcac ctgaggtcag gagtttgaaa ccagcctggc 300  
 cagcatgggtg aaacccatct ctactaaaaa taaaaatta agcaggcgtg gtgggtggga 360  
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<210> 1352

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA487058

<400> 1352

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 ggcagcagtg ggtggctgt ccacagctcg cccctcctcc agaggacca gctthttgg 180  
 tttggagcag ccagggtgt tcgccagctt gctcagagcc taccctgaag g 231

<210> 1353

<211> 345

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA487161

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atcacatgac acttttcagt aaagttacat ttccaattac aaatcaaaat gcatattagg 180  
gtctctttat gggagaagct gagaaggaag tcttaggtaa aaagcacttt cctggcatta 240  
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<210> 1354  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA487195

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acactattgt accatgcac tatttgttta ccattaagga aatacaatcc tgtcctgatt 180  
tctgaggctt tgtaatagat ctgaaattag gtgggtgttaa ccatcccaca tttcctttct 240  
attctaacat ccttgtggtt tttcttgata ttttgcattc ccatatgaac tttaggatca 300  
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tacatcc 367

<210> 1355  
<211> 395  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA487218

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ggttaagaag gtttagcagg agcctccaat gagcactgta ttagagagaaa agggaaggag 180  
caggaggagg aacagatctg cacagaattt ttttcttaaa aaccacaaaag ggtgactttt 240  
ttcttctaag caagcaagcc tgagaggcat tacatgggct ggctccta atcaaaacaa 300  
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aaacactccc agagggcagt gacctactct gctcc 395

<210> 1356  
<211> 486  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA487503

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gccttcacac cattctcaca tgggccagt ctgttcatgt ggttaacca tttgctgttt 180  
agactgaaca ctgacacttg gcaagtggct acttctagaa catgtgtggg ctgagggtgaa 240  
ccgggcatta tgtgtatgtg tgaagctatc cagacatgcc tggctactga caatcccagc 300  
aaccgttcct tgctgaagag acaaaaagta gcatgaaact gtgtgagact ctcatcttat 360  
gattctacag gtggaatctt ttagcttgtt taggacacac taagcccaa ttctatgccc 420

tctgggttaaa gaaggggaag aacttgtaat gacatacgat gtggacaagt gcattaggaa 480  
caagac 486

<210> 1357  
<211> 288  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA487576

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ccatcaatat gtttggttaat cctatccctt ttattaaaga caaagcacag tttgttaata 180  
ttgtcttgga ttaactctat ttgtaagggtt acttatagtg gttcatacta aaggcagggg 240  
atttgcttcc tgggccaatt gtctttaaac tataatttaa gaaatcat 288

<210> 1358  
<211> 253  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA487606

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tgggatctca cagattgctg aacttcctat tgctttctat tatcatatgt taatagaagc 180  
ctgacatggc tttagaacct ccatatgtca aatataattc aatgcacttt gtaacacact 240  
caggaaatta aag 253

<210> 1359  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA487856

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taagcactgg acactgggtca gtttcagctc ctcatgcaaa gtgagggtat ccttgtggct 300  
ccagccttgg ggccccctgc ggtaacctt ggctccacag tctggttctt gaacccaagg 360  
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<210> 1360  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA488074

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tctaaagata aacacaattt ttcttgaatt taaaatatat gggataaatg cttacaaatg 180  
gatttataaa ccttttcaactt ctacttcatt ctcttggtg tgtcttccga agatgagttg 240  
ctagttgcaa cattaataaaa aaatagctcc ttcaaactct gacactatat gacataaaaa 300  
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<210> 1361

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488432

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tgtatgaaat atagctacaa atatacataa agaattcaga tcacaaaact ctctaggaca 180  
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aggctgaggc aggagaatgg cgtgaacctg ggaggcagag cttgcagtga gccgagaccg 420  
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<210> 1362

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488843

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agaatacctt taccaccaga ttagaacagt aagcataata accaattttct taataagtaa 180  
tgtcttacaa ataaaaacac atttaaaata gctttaaatg cattcttcac aagtaattca 240  
gcatatattt ttatatcatg tttacttatg cttaagaatt aaagcaagta tattttattac 300  
tctgatggaa atatgggaaa tctctcattc atgcaatata cagggataat attcaagcga 360  
agggaaaatt cccgcttttt atttttgtaa atgtatccat atataatcat cgacatgaca 420  
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<210> 1363

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488872

<400> 1363

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actatgaatg acagtacact tgcattcaac ttcacaagaa attatcttca ggtccatgaa 180  
gattccttga cagctgtaac actttttcaa cagtaaaagat gtacatgtat tgaaagagaa 240  
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<210> 1364

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488892

<400> 1364

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atttcggact ttaaattgat ctggtgttcc ttgcggggct tcgattgcat ctaaaatagat 180
gtgagagttg aaagacccat aaggggcttc tctcgcttta cgatgtctta ttattttttt 240
tttccttcct ctggttgatg aaatgccagg gtgaaaggga tagccaaata ggctaaagca 300
caagtgccac tctagttatt cggcagagtg cccaataaag gtccacgaca ataccatcac 360
acatccgctc ggggatgaac aagggctgac tgactgataa gc 402
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<210> 1365

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488987

<400> 1365

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tgccctcccc aggcttccta agtaacaact gcagaatatt tacataaagc tgggtgttgt 180
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agatcataca gcagtgggca caggggaagc aaacctgagt gaggacacaa gagcctggtc 360
cggtccgct gcacagggca ggtgtgatgg cccccacgag tctttggcag agaacgcaga 420
taatagc 427
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<210> 1366

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489009

<400> 1366

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acaatgtcgc atttggaata aatggtccca ctttattact gccactacac tgttcaggcc 180
tataccatct tgtgtggact gttaccagcc tgcagctaa tgcctttgat gaaatttaca 240
cttcaataaa ttgacattta aatttacaca caggtcaatg gtaggtttta gactgtctct 300
gctatgttga ttgactagac agatccaggt gtattttaga cttggaatac gacaatcttc 360
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<210> 1367

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489061

<400> 1367

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catctttaaa cagtctacac cgaaaacatt ttggaaaca tcttttcctt ttggtaaaaac 120
aggttagcag gctgacatca gcttcataat ctcatggcta aaatccccca cggttatata 180
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gttaagcata gcctttcttt gtattttctca agttgacacc acttgatata aactcagaca 240  
 atataaacat ttctagattt tgcctaaggc cttagcttta actgcagagt agtgagtagg 300  
 aaatta 306

<210> 1368

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489091

<400> 1368

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 acaagttccc tgactctaac ttcttcctaa cttaaaagtt caattttcaa gtcaccaggt 180  
 agaaaaatggg gg 192

<210> 1369

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489629

<400> 1369

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 ctgaatgggt taaaaaggaa tgtaaaacta caaaataactt aagtgtgagt tctaaattat 180  
 ggcaaacaga acaataaata ccttgccatt tttctttcta attttccaag atagatttca 240  
 ttataaaaaat tgtttgataa caatttaaga agggaaaaca agggatactc ataaaaaaca 300  
 ttttacttta attatagggt acaaataaga gtcttaacac agaaatccta cctcctattt 360  
 aagatataaa tacttgatga tataatcaat caagaggga 399

<210> 1370

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489636

<400> 1370

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 tggatttatg taaaaataaa aaacaatcaa tgtacacaat gtgtagctca tatgaaaacc 180  
 tcatgacaag tcattgagtt ctgtaaactg ccatacaact tacatgtgta atattaattg 240  
 cacaaaagtat atcaagacat attgaagaaa cacaaaatta agtgctattt taacgggttca 300  
 tctttcagta tgtgaatacg tatacaaatt taactgcaca gttttgttga aaataagttt 360  
 caacaataag acttcagttg ttaaaattaa cccaaaatat aactttaatt aaattacatc 420  
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<210> 1371

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489707



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<400> 1371
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ttactgcgtc aattttgtgga ggctcctgct tcacaggaag tgcaataggt gaacgctgac 180
gatccctgaa tgatgatggc ctttctcttc gattctgggg aggtgctgga ggtcctggag 240
gtcctgggtg ccaataagga ggatgaaatc caccttgctg tggacaaaa gcagcccat 300
gctgatagtc aaactgggtc actggcccca ctgcaaaatt atcgggtggt ccaccaaagt 360
tgtgattgtt ctgggttaaat atatgcctgt tgtcaggggc aaattcccca ctgtcctgac 420
tgttgctgtc ttcagaagga ggaacaatgt ccattgggc 459

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<210> 1372

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489712

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ggtcggggag acgacacttt ttccctggga aaggcagctc taatcccagg aatggttctc 180
agcagaggct ggggtggccag gagcactgtc ctctagcccc ctaactcagc ctctgcttca 240
gctcggttcc catttctctg ctctaccccc caactcctta taaagagccc catgagctaa 300
gactaaggag aggatcatgt cccttggggc gtgtgccaatg tctgggagaa gaaatataca 360
ccactgaaca ccgagcacat gggagagggg agggacacca caggagagag agaggcaggt 420
acccaagag gtggatgggc cgagttccca gccaaacctg aaggaggcgc tgcttccagg 480
ggg

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<210> 1373

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489798

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<400> 1373
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tgggggaaga cagagctcac tgccctgtgg gtctctgtgg ggccagcccc tgatgcccac 120
gtggccactg atgccagct tcccccaaca ccccaacaca ggcccaggac aatattacaa 180
aagtgaacaa atgcaacctt tttctgcttt tacaaatgac atgtctccat ccccgccag 240
caggggtagg ggaggccggg tgaaagtgc actccgttaa aaaggcaaca acttttataa 300
aatgaagact aaggaaacag cccagggttc ggaagctgag atgctaccct gggggtgaga 360
gcatagacat gggtcgggca gaccttgtct cctttcacgg cattcctggg agggtaagaa 420
gggctgtcgt gctcagggcc agtggggact gaat 454

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<210> 1374

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490159

<220>

<221> unsure

<222> (1) .. (465)

<223> n = a or c or g or t

<400> 1374

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aggatttggc	aacagcagtc	gcccactgct	gagaggactt	aggaccacgc	agaagtcaag	180
ggctcattagt	gccctgcagc	tgccagganta	gcctcacttc	agggtggggat	ggggtaggat	240
gcgggcagga	cagggcctag	gaaaagaaga	agggtacagg	agccttcctg	actgcagaag	300
tttcctgttt	gtctgaaggc	aggaaatagg	agctaacgga	gtctaaggcc	aaagggtatc	360
ttttaaatag	agcataggat	cagggagctg	ggacctcact	agccactgat	aacttccagc	420
gccaccggg	tgagagaaaa	ggcgcagaaa	tggaaagtga	aagggt		465

<210> 1375

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490212

<400> 1375

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aaaaagtaac	caaaaattag	gtctgttgca	aattcatgat	tcttctgagg	ggggaaacca	180
aaagaacatt	agagtaaaaa	gaacgccact	ggaggatgta	caataaagca	ccacaacaca	240
cgcttacaaa	cggggcttcc	tggcttcggg	gacaggtaaa	agacgctgtt	ctccccactg	300
ctgtgcgtca	atcagggttt	cattaaaata	aaactataaa	atctcctagg	ttacactaag	360
tcagacacgg	tctggaacac	agtgcctaac	aacagtaattg	ccaactatca	gtgctaacat	420
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<210> 1376

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490214

<400> 1376

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acaactcaag	agtacaaaga	caactccgtt	tccgttcagt	acttttctcc	tcagcactgg	120
tggtaaagaaa	gccccttgct	ctctagtagc	caggcagcat	ggacttacag	tcttaaaatg	180
aggctttatg	tatttcaggc	tggaggcagg	ttgccttttc	tcttgaggaa	tctcaggcag	240
ggtaaaagtt	acttaccact	cagtacctct	gtgccagaag	aaaagctcaa	tttattcaat	300
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<210> 1377

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490494

<400> 1377

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caccttttga	ttggaacctg	gcaactgagc	attagaagg	acatttgtaa	atgggagcat	180
agttgcaaat	atatcagaca	agggttctta	cagttgcagc	cattttttaat	taaagtaatt	240
gggtgaaggaa	tcccaccagg	accaaggcct	tgagagcaga	ttggacctat	tgattatgtg	300
tatatataaaa	acaagacatc	ttttaagca	aa			332

<210> 1378

<211> 388

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490620

<400> 1378  
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cgccctgagg ccacagcctt ttcccagggc tgctggcagg gtcccagggc tgctggcagg 120  
ggttgtggtc ctggttgagca gaggagcgac gccgctgccc tggcccccgc tgtccctatg 180  
atcctgcact ctgggggtggg agctacatat catccttggg caccaggcag tagaagtctg 240  
tgcgggcact gtagtttcgc gagccgagat ccgagacgtc cacttcgctg ctccggctct 300  
ctcccagcga gaccccaactg gtgtgcgggtg gagctgatgg ctctccaaaa acaggccccc 360  
ggacacccag gtcgccctca ggggtccgg 388

<210> 1379  
<211> 493  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490670

<400> 1379  
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ataaagaaaag tgctcatagc aacgtattgc agtctccatg aaagtgcata taaacgggta 180  
aggcaaagta ccatcttggg acagacatgt tgcaaaactga cttttaaaac aattttttta 240  
aatatataca aacttttttt cttctattct tctcaaaggc atttgaaagg gatactttta 300  
tgaatatattct tgctgtagaa caatgtagaa ataacttctg ggtataaaac agtaaaaaata 360  
aaaatatattct acctgagtggt gttaaatacca gtgatttgta aaacaaaacc ttcacaagtg 420  
tgggcttttct acatgtaact tgccaggctg aaggcttaca ccctcatgtt ctacaacaca 480  
gatcactaat gat 493

<210> 1380  
<211> 312  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490775

<400> 1380  
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aggtttctac aacatattgt ttcagtgttc aaataaactg aaggactcaa cattacattt 180  
gaactatatac cttcctagtg ggttagtggtg aaaaagagtt tggctgattc ctaaaactct 240  
gccagccctg cagtaatctc cagggcctgg ttattgttca gacattccat ggtgattcct 300  
gggaaggaag ct 312

<210> 1381  
<211> 233  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490882

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atataaaaag ctagtgtaaa tgcttccatg gtgtgggtcac aaatttgaaa gatgaacctc 180  
ctttcagctg ttaaccatct tcccatttgc aacagggtttt aaaaagtcgt ttt 233

<210> 1382

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490890

<400> 1382

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cagttctcac cttacaaaac ccaactgctt gccactgccc agtgagacct ctcattctat 180  
tttgtagaat ggaggctgat ccgattcatg catcttgaat aaaagccaat tagatctatg 240  
attaaaattg ttgtaatttt gtcttttgac aacatgtata ttaaaagtac tcaatctggt 300  
tgttattgtt tttgatagaa aaaataacta tgctacactt atccacagtc cttgggtcagc 360  
caacttcagg ctcaaatatg tcacattaca ttctacaact tgctt 405

<210> 1383

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490947

<400> 1383

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acaaattgtg attagattat aacgcatagt agcctgcctt acattcagca agttcaaaca 180  
ggacacaaaa ccagtcaact gaacacagag cagctctctt cagaagcact tccaatgagt 240  
gatgcagaga ttt 253

<210> 1384

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490964

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tttttcttca caaaatcttc attatgtatt tgatggaacc aatatccttg aaataacata 180  
aattccaagc ttagggtagc tttgacgtat aggggataaa agaaaggga cagtcaatca 240  
gatgctaagt tctcttagtt ttacttttct tgtttctctc cagtgcaaat agcaagcaat 300  
acacatagca agtgctgaat aagtgtcttt ggaatgtgta ttctaatttc tgaacctttc 360  
c 361

<210> 1385

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491000

<400> 1385

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atgtttcacc aatgttaagg tacaactctt gaatatgcag cgtagtcttc tctctttatt 180
ctgaataaca gaagcacgta aattaaatta tcctctttgc acaattatct cccccaaaac 240
taattttataa catataatta tctccctaaa aagcagttac aaaccataaa ttgaatatga 300
ataaaaatatg aaaaagagca caaattttta agccctccat gcaaaaaaaa attaatacat 360
tggtcttacc tataaacctt attttgttta tgctaagcac agaaccctta tgggctcata 420
ggagtcagca aacagctaca gatgagtc 448

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<210> 1386

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491001

<400> 1386

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tgtcccaact cctcccccaa tccccaaaat ctgtgctctt ctgcctgagt taattcagct 180
ttgctgagcc tcctgcaaga gcttgagcag ggggtcgtca gccctgaggg aaaagggtgag 240
cgtgcgctgc tggtagtgcc tagggtcaca ctccaagttc tcgatcacct cagccagcag 300
gtgggcccgt tcaggcctga gccggggggc tcgaagccca gggcggtgaa gtgcacatgc 360
aggtggtagt aggagggcag gtagtgcagg tatactcgca gatggtctcc cttcatccgg 420
ta 442

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<210> 1387

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491188

<220>

<221> unsure

<222> (1)..(451)

<223> n = a or c or g or t

<400> 1387

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ggcctcattt tggttgaaga ttaataattt tttaacatct tgtaaattt cctgtattct 180
caactttttt cctttttgtaa attttttttt ttttgctgtc atccccactt tagtcacgag 240
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atctctgaaa agacgttatc accttaaagc tcaaattctt tgggatggtt tttacttaag 360
tccattaaca attcagggtt ctaacgagac ccattcctaaa attctgtttc tagattttta 420
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<210> 1388

<211> 155

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491208

<400> 1388

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gcctgggggat ttgtgcccga gccagccca ggagg

155

<210> 1389

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491223

<400> 1389

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caactttaat ttaacatcac atctacatgt gaagctttaa ttccagggtc ggagcagctg 180
taaaatgaaa gttaccactc cattctagtc cttggatatc agtatattcc ccttcacctt 240
ccaccctatt ttcatgaaa tttccagtat actttgcccc atttggggat gtgtaagtcc 300
ccagtcctatg aaacatatta tccttaaatt gtccttcata tactgctcct gaaaaatgct 360
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taggagtggg atgaatacct att                                     443
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<210> 1390

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491295

<400> 1390

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gccccccaga ggcgacgcgg cgcgcagtcg aggtcgagcg atccaggcag ctactcgggc 180
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gtatcatggt cttcaccagg atcacggttg ccaagctggg aatgtgtttg actgagttct 480
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<210> 1391

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA495758

<400> 1391

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tccatgtgcc tctgggtaca aaagtgcctc aacgacatgc tctggaaatc ccaaagcca 180
cagtctgagg ttgatattcta aaatctatgc cttcaaaaga gtctctgttt ttttttttta 240
acctggtaga cgggtataaaa gcagtgcata taaacaccta accttctgca aaaaaa 296
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<210> 1392

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA495803



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 gtgaaaagtg tgcctaaaaa tgttc 385

<210> 1396  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA496053

<400> 1396  
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 ataattaatt cagggttttca gaaagcaatc ctgtctttgt gtggattcag aaccacaaaa 180  
 ctgaaaacca aagccacttc cccacttgac attcttcttc agtcgtttta ggctgaggta 240  
 tgctttgttc ttttactgca gtgtatatcc caggattttt aaaggatcct cgcttccaag 300  
 agatctcaag tcacccttac tctgccacta atttatttcc ttgttgctga aatgatgaga 360  
 gatgtataat ctccaccctc acggagtgtg catcacctcg gcaaccctc cgtagtcaag 420  
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<210> 1397  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA496204

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 ttgcaagtgt caaagatggc atttgaacct agacagcctg gctccaccat ctggactcct 180  
 acagccttca atctctaaga gggggaagga acttacatga catcctactg ggaatttgct 240  
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 tcagaggcac ccctggtacc cccgtcatca cttgctgaga cagagagcct ccctggccat 360  
 ccaggaataa tctagaagtt atcgcccaaa accattttac tgggagaaca aacaccagga 420  
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<210> 1398  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA496245

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 taacttaatc aatacagaac taaagccttt atagctatta gaggggttta gttaccaagg 180  
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 aaacacaaaa caacgatgta caacagaggg gaaatatgct cttggtcaac tgaccttgca 360  
 gaaaagactg gcttgtttcc aagtggatga gaacgccagt gtgtggccag agtccagcaa 420  
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<210> 1399  
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<212> DNA  
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<220>  
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ttttgtctgtt gtttctggaa tttgctttcc ctcacctctc acttccttct agaaggagct 180  
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aacaagggcc cctgaccctg tgtgctggcc gggacctgcc accagcccc cagcctgctt 300  
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tgcccatgaa gtgaagagaa ggtaattttt aagagaattc cctattttatt tgacaaaaaa 420  
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<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA496715

<400> 1400  
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taaaaaactt aggtacaaat tacaacatta cagataattc tctttttgct gctttttggtt 180  
cacatggaga ccttgagac tcaattcacg ttaagacacc taaggtaaga gtcctccagg 240  
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ttatgcatgc tttaaacaaa cagtattttt tttaaatgag agaattctaac aaaaaaagtc 360  
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c 421

<210> 1401  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA496914

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actcaagata taaaacaatt ttgcacagca aaatatgtaa aagaaaagta actgacaaga 180  
tttttttata tttattgttg taagatttac ttttcatttc tttttaaaga caggatgtca 240  
gtccctgaaa ataacattta ctgattattg cctttaaaac tgtggatttt tttttaagtt 300  
acagaaaatc cagttctgca ccacaatata actgtaaaaa aatctgcatc atcttaaaac 360  
tgtgcagtaa tgccatttt 379

<210> 1402  
<211> 374  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA496927

<400> 1402

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gttatccaac tttttttgac tcaaagatag tttgcttaga tttttttttt ttgagatgga 180
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cctcccaggt tcaagcaatt ctctacctc agcctcccaa gtagctggga ctacaggcac 300
gcaccaccac acccagctaa tttttgtatt tttagtagag acagggtttc accatgttgg 360
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<210> 1403

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496936

<400> 1403

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acaagtccat agtttatatg gtttagagct ttaagagcct taatctaaca cgtttaccct 180
tcccataatt agactactac tgacattcat gttcagttga ccacgagtgt gtacaaatca 240
ttctaggtaa agacaaacac tttcagaatg ctttaacaga aaaataattt taatcaactt 300
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<210> 1404

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496981

<400> 1404

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cttttttctg tcttacctgg aagcttctca ctgctggatg agaattggctt ctaaaagtgg 180
atcttgggga tccttctgaa tttgcccctg gataaggagt gaagatcatt tacggcacat 240
gtggattatg gtttacacaa agatgtccag ttatttttcc ttctgactac cccaccacc 300
acttctctgag atgagatgtc taggtatagg aggatgtggc tgttgggggt agacttgatt 360
cagtgcacaa acaagaaaca gtgcccctta aacaagggtc gtaacttaa tcagtttttc 420
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<210> 1405

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496993

<400> 1405

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tttaataaaa aaagagaact gaaatgctac cgcaatatct aactactgta gtttcagcag 120
gtacaacaga caacaaaaca ctgggggaaat ctgacttttt gcactaaatg aaacatgaaa 180
cagggtttgt ttttgtcatt tatcgtgtag taaagcacat tatagtacaa gactattata 240
tgaacctcag aagcactgca caaaaaaaca ctttccctct tttcagttca aaagtcagt 300
cttattgcaa ttatatgcaa aattattttac ttcattgaagt tttatgataa acagtatgca 360
aaatgtttta aacatccaaa caataaaaat aatctggaac agaacatatt caacaataac 420
taagcagaat tagtaaacat aaagtaata a 451

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<210> 1406  
<211> 273  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA497018

<400> 1406  
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ttccagataa atgcttttca ttttctccct tgtgcatctt tgtgttctcc atattttcca 180  
taatcaatta tgtttacgat caggagagag tgctgagaga agaacagagc tggcgtgaat 240  
gccctggggg ataagggtg atggcaggag ctc 273

<210> 1407  
<211> 252  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA497031

<400> 1407  
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gctccctgca tggcccggcc cgctgccagg cccgctgtct ctgggtgctc agtgtgtggt 180  
gctctgagga caggggtcct gagggccttg ctcttcatcc ttcacagtgg ggacacggcc 240  
ctcatgcccag cg 252

<210> 1408  
<211> 297  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA497052

<400> 1408  
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agaacatgca gctatgtgtg tgcgctgata ttgtttaaag gtaatactta ttctcggaag 180  
gcaaggcaca tcttgtggta gaaaatttcg tgcaaattag gaaacatgga atttttttta 240  
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<210> 1409  
<211> 446  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA504111

<400> 1409  
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aaaataagtt tattttctaa agaaatttca gtgaaagaaa aaggatgttt attatgacat 180  
aatatattga ttctaatg tggatctatt aactgtttgt ctaatctagt caaaatattt 240  
aagctgtttc tgcatatgta aataaggctt aaaaattaga gaacaaaatc tgttctctaa 300  
ttttacctag taaaataatg gtaaagcaat aaactaaatt tacaaagggt tcatagatat 360  
gcctatcaca agtttaaaat aaaaacaatc aggagagaag catgtcaaca atgtgttaatt 420

taattttcaac aatgtgtaat ttaaac

446

<210> 1410

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504264

<400> 1410

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tccaaccatt taaaaaatgt aaagaacatt cttagctctc aggctacaca aaaatatggc 180
tatactttgt caaccatccc tagacctga acagcatctc tgaattagta acacttaggt 240
gtcctaaaaa acaggttttg gatagctgtg tgtaaggag tccctaaaaa attcataatg 300
ccaattagca taataaaggc tctaagcctt g 331
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<210> 1411

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504270

<400> 1411

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tgcaaatgat aattagaaag cattcctggg agcttccaaa tagctgagat tgcgagcata 180
tggaacaggg agcagcaaca gtccatgatg cagggatgtc caagtgagta gaacctaat 240
tccaagttca ggacttccat caggctcact tggagggaca cctcttaaaa ttgctagctc 300
ctggaatgtc ttctgttttg ataccatct tctagacttt tgccaattct aaatttagtt 360
cccaatgttt gtgaaagtcc aaaatctgtg cggctatgaa acagatggta ttctgaattt 420
tctcacatga tttgctctct catctatttg gacaattgtt agttatataa ttatattcat 480
ttcaaatgaa taaaagagaa cagcgatact gtttggtgat actagatatt agatgtta 538
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<210> 1412

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504324

<400> 1412

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tcaaagcccc aaggtcagaa ggtcaatcag cttaacgctc caaacatttc cagacatggg 180
ttttcaaagc tacctttggg ttttgaaaaa accagtatgg aagtcaatat acattgaacg 240
cactgaataa catttgctta tagtaagggtg tccgacaaca ttagctcaca cctggcaagt 300
tggaagcatga tctgaagtca tacactgaaa tccatacaca ggtttcgccc ccgagctcct 360
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cgctttgtaa cagaggtatg agagtttaac actagtacac tgtcaagtca ttaagcttca 480
tgttccacat ggtttcttgc tgaggcttga gatgggcaca aatggtgggg aagatgaagt 540
c 541
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<210> 1413

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504413

<400> 1413

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cacggagggg agaaaggcat cagtaccaa cgaacaacc tcttttttct acattgtcca 180
taccgagaca tgtgaggctc tattatcaac aggtggtgag aaaaattctg tttttattcg 240
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tttttctgaa gtgttctttg ccatttctgg aattgtcctt ggtttttcct tagctcatag 360
gtcatagatg cagaaatata gtatttaagg catccgcac cagcatcaga tggctttgca 420
tccagaaaaa cattgataac tcagtttgaa gc 452
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<210> 1414

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504492

<400> 1414

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tgatcatgat gaccagcata cacatgataa tggcttttct cttgggttta acattgcagt 120
agttttgcac actgcaatgt ttcaatagga ccaagaacgt tagagaataa agatcttaga 180
tgaaaatgaa cactaataat tctagtgtcc tcccccatag aattaatgta aatcccgtat 240
gaatcagtggt cattataatg ttatgtggtt atgaagaatg aaatttc 287
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<210> 1415

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504512

<400> 1415

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gagaacactc tggaagctcc taacagacgg ctccgcgtgc ggatgcacag gccctgacgg 180
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gtccacgagc acagcgggtg gccctctggg gggaggcagc acggggcgca ctacggcaag 300
gcgagcgggc gggatggatg aaacgcagcg gcaccaggag ccccgaggctc tcacagggtgc 360
cacccccagc cccaggattt tc 382
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<210> 1416

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504806

<400> 1416

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aaaaaccagc aataagccac cagtgcagct ctgacagact agaaatgagt ggttatgaaa 180
tgagcacatc tcagtttgac tgacacagtg ggagttttaa ttaccgtac atcaggaact 240
aatttatgaa tctgttgaaa aataacactt ctttaaaaaa atattttgga ataataaaaa 300
cagaaagcac agaaccacc attctattct caacttggga aggcaaatgt aaatactaaa 360
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ttctggctgc tggagttggg tctctcctca tgtttgggcg actgagggct caactactac 420  
t 421

<210> 1417

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA505133

<400> 1417

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ctaagcaaag cctagtcttt tccataaaat gaataagaag tacatttggt ggagtttgag 180
accagcctgg gcaacacagt gagaccctgt ctctaaaagc attaaagcat taatcctcgc 240
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tttttgtgaa tatagtgagt gacagatggc aattacatga ggatatttga acgaaggtac 360
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<210> 1418

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA505141

<400> 1418

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tcccgggttaa tccccaccaa agtttctact gtccggctac ttcaggatgg ctaacatttg 180
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caaagggacg gcactgagca tgcctaacct attccccggc atttcagtcc aatcagcgca 360
tgctcgcaat gatcatccat gggtgaaaag gaagagctga aagacacatg tgctgagcaa 420
catttaattt ctgcttggtta aacgggtgat tagg 454

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<210> 1419

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA505198

<400> 1419

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gcacgaggat cagcaataac tacatatatta tagaaaacac tttttcactt tactgagcca 60
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gttgaacttt gctcaccatg tttgtacttg ttggtctgtt taatgaagtt tggttgatgc 420
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<210> 1420

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA521149

<400> 1420

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gggaatgacc tacgtggctg acttcggaac tgaagactcc ccatatatgc acactgaaca 180
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gccgttgtgc tgtgtgatcc ccggccagcc cttggccctt tcctcacttc tgctagagag 480
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cactgtgtcc agcatttc 558
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<210> 1421

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA521290

<400> 1421

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aaaagtataa acaaagtgtg ctttttcctt actacgttta gtcaggaata tgcggtcatt 180
ttattgggta ctgggtttct catacaaaca gatataatat cacttttaag agaaatgtac 240
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tcccaaatag tcatcataca ttcaatgtat tgggttagggc caaaatccct aaaccacctc 360
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ataagaggat gcaatggatt tgagcatcac agccaattgc ttatactaaa atattttaat 480
tctcagactc tctttccctc atacctttcc cttccccacc tcacataaga aaatgatgct 540
taaaacaaaa cagaggaagc aattatacaa acaaaaaaac ctatcccaa aggcgggcag 600
a 601
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<210> 1422

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA521292

<400> 1422

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agacagcgta aagtgccttg aatgagggcc aatgatgaac aaagagcaca aaaacagctt 180
catcttaggg tataagaagg gataatagca tacctaaatc cttatggaaa tagaaacatt 240
ctaaggggga tgcaacaatt ttgaaaagaa ttagagcaat atttctacag tattacatta 300
ttactagtag ataataacaa gggtaacaa taatgtctca atatcaaagt gggttcagtat 360
tacatgacac atggctcttt ggaaaatatt ttacctgata tatacaacca caagaagaaa 420
acacagacaa atggcttttag tcaatgatta ctatacagtg aatgaatgat gtgcaacatt 480
taatagtcac aaagcatttg ctttcagtag agataatgaa atacagtagt gtgaggtttg 540
gttgtttttt aacaatgaat tgtgctgggc atttatgtat agagggctta ttattttcct 600
c 601
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<210> 1423

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA521306

<400> 1423

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ctttttttcc ttttttcttt tcccagctac aaaatactct ggggagatgc attataattt 180
aaaatatata atattgcaca aacaaccaa aggttaatta aactaaagaa ataattacaa 240
agagaaaaac cccatcccgt caaaaaaaag attcagcatt ctctccatcc caccctctca 300
ctgaagggtt gaagtgggaag tgacctcact ctcttggtgt ccctgaccca cgatcccttt 360
cactcattgg tgagcacacc agattaggtt caagaatcac caaagcagca tcgtgaagca 420
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tggagggtga gagcacaag gctgggtctg tcttcaggaa gaagagcttt tgcagaagcc 540
tgatgagagt ttcaagttca cccccaggat agcccttcca gaagcagaag ggctgaggcg 600
ga 602
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<210> 1424

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598405

<400> 1424

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tacaggcatg caccaccatg cctaattttt tagagatggg gtcttgctat attgccagc 180
ctggcctcaa gtaatcctcc tgacctcagct ttctgaattg ctgggattat cggcatgagc 240
cactgtgccc agctaagctg tgacttttga ggcaaccctt tcccttccac agagtttagt 300
ttctctcatt gtaaaatg 318
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<210> 1425

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598412

<400> 1425

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gtttttccac tgcaattctt ccagcataat tttctgatag ccagtgtatg actttggctt 180
tgacttgttt ctacacagtg ggtccagtca tttatttctg gaacttgatc agtctttttc 240
caggatatata agcaaattct tccacactcc aatcctactg caaccacgta tcgttgagaa 300
gggtggagca ctgggcagac gctgacagct gtcacagccc caccacgctc caggactgag 360
gagcaggggc caatgtttgt ctcaatacag tcatcagtgg agtcacactc accccagaca 420
accacctttt tgtc 434
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<210> 1426

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598417

<400> 1426



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 tatattagcc ttcccatgag ttttaataaaa actaatattt gggttttagat tcaataccat 180  
 cctttcaaat atttggatatg aaacttggta gcaatgcaat tgtctgatgt acagagcaga 240  
 tttcaccatg agagattaca ccaaagaaca gatgtccctt cccagaacat tatctcacc 300  
 cagactcaga aactgagcag ccaagcttcc ttcccaggaa tcaccatgga atgtctgaac 360  
 aataaccagg ccctggagat tactgcaggg ctggcagagt tttaggaatc agccaaac 418

<210> 1427

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598419

<400> 1427

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 atcacataac ggacatcaaa actaaatagt tcacatcatt agtttaaatt aaatatgttc 180  
 ttgattatct ctccaggaata gtaactcttc tttcctacct ggtattttctc ttttgtttac 240  
 tgagtaacta tgtaatgggt atctctttcc tatattcagt aatacagggtg cacacagggtg 300  
 taattttaaaa aagtaactgg attccttctc taatattcat gttcaactct ccctattaca 360  
 tggtatttcc ataatagctt cagatatttt catcaaactc acactgtcat caattgtgaa 420  
 aattaaaagg ttaatt 436

<210> 1428

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598447

<400> 1428

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 acccatttta cagaaaaatc ccaaaacata tactgcaata agctcaaaac aatgtgaaaa 120  
 agaccagtgt gaatggcaca caaaaatcgc ctctttataa attaactgga attcatgatc 180  
 atgaagttagg cacagggaaa tccagtcctc agggctttgc tctctggaag aacaccttta 240  
 agtaattttt aaaaacttta gcatcaggct gctgaagcgc ttgacaaaac tcttgaatta 300  
 tttctggagc tacttgcaag gagggcagggt attcttgttg aagatactga acacattctg 360  
 ggccccgttt gagatgaatt gttt 384

<210> 1429

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598453

<400> 1429

ttaaattaag agacagggtg tctcaatgtt gcccagctg gagttcagta gctagtggct 60  
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 ctgagctttc caagtcgctg ggactataag tgtgtaccac agcatgtcag ctctctctct 180  
 ccttcttgac ctaaaagccta gcataaaatt agctaagtag aatgtttcca aagatggctg 240  
 catcagtatc tcccatccca cataatttct gtttcatttt gccattcacc cataaaatgg 300  
 tgggatctac ctccccccct 320

<210> 1430

<211> 268

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598506

<400> 1430  
ttttggaggg caaagacttt ttttaattgg acttggcttt gacgagtact gacaaaccct 60  
gcagacacta gtacaatttg atcgtaaaca aagtccttgc tagcatagtc cagcaaattc 120  
tgataaaaca catacaaaac ttaaaagaca gctcgatttc atcttctctc caacacctgc 180  
aactgtttcc agattttctg tgtagtcttc tttgtgcttt cagttcagta aaaattagaa 240  
aggataacaa acttgtaaag tcagatac 268

<210> 1431  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598589

<400> 1431  
ctttaaaaaa tacacacatt taatgttggt ctgttttaat ttctaagtaa agcaattcca 60  
aaaatacaaa ctgaacatca gagccatgtg aaccaccatg agaaaataaa acagacattc 120  
acaataatta cgtctaaaga cagttcagct ggataaatca tcttccaagt atgttaaaga 180  
aaaatttcta aaaatactgc tgggtgttcag ttagaattaa aggactttgg ggaaaatgaa 240  
ataatatgat acaggtggag tgaataagga tacacgggat ttacattttt cattaccctc 300  
agatataaac aaacattcaa aaatcaacac aaactctgtg tgttattcaa aatattgcag 360  
ctgcaggaaa 370

<210> 1432  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598648

<400> 1432  
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gatgagcttg cgatacccct cctcatcttc agccatgagc ctccgcatgc gctccttctc 180  
gatccgctcg ttctctttct tctgtctccg ctccgtgttg gcatggtacg tggccactga 240  
cttggtcagc ttctggattt tgctgtgac ggatctgtga tattccttga aatccttggc 300  
atgctggaga atgctattga ggtattcctg gtgcttctgc cggcgcttgc gtccctggctc 360  
gatcttctgc tgcttctcca gcttctcagt gatgcgggcc tcgcgcggga ctggcgcttg 420  
ctgccttgta ggccttagaa ttgagggctg tctacagcgc tgtgtacctc cgcattgcaca 480  
ccac 484

<210> 1433  
<211> 381  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598675

<400> 1433  
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tccgagtcaa aacagtggcc cattggcact gagcttctga ttgggtgtagg gcagtccaat 120  
cagtgtctggg gtcactgggt taccccaacc atgtccggcc aaaatggcac taccagtggt 180

tagtgaacca tctaattaaa accaaaaactc ccccagggaa aatgctacac tatcagagtc 240  
 agtcttgagt cagatcttta tttggtgctc catccagata ttttttagt gctttctctt 300  
 tacgaggtga gtatgttaca cgatgtccag tcttctggag tcgactgctt tcttttttca 360  
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<210> 1434

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598679

<400> 1434

gggtgagaca gagtctcact ctgccgcccc cactggagtg cagtggcgtg atctaggctc 60  
 actgcaaccc ccatctccca ggttcaagca attctcctgc ctcagtctcc caagtagctg 120  
 ggattacagg cgtgtgccac catgcccagc taattttttg tatttttagt agagatgagg 180  
 tttcacctgt ttggacaaac agcttttatt ttataaaaat gatgggcaag aagattttta 240  
 aaatcaaaag caattatact ttggccttta tgtagtccca gctactcaga aggatgatta 300  
 agccccagag tttgagtcca gcctgggcaa cactgcaaga ccccatctca aaaataaaaat 360  
 gatggaaggg ac 372

<210> 1435

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598685

<400> 1435

atttttattgg ttttttttaa aggaagagat tataaaaaga catttcacat taaagatttg 60  
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 cccaaatggt gaaactggta ttctaagatg aaagcttaat gaacataatg aagtgaataa 180  
 acgcgtgtga actaatgttt aaaaagttag agcttgtctc aagtcagtac agctcttaag 240  
 ataataaata cagtaacact actttttatt tctttgctct tttatccctt tcaggttcga 300  
 tttgctgctt tgattactgt gttagcactg gctgaaaaac taaaggagaa ttatattgtc 360  
 ttgctaccag aatccattcc tttcttagca gagttgatgg aaggtaattc ccaaactatt 420  
 c 421

<210> 1436

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598712

<400> 1436

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 tacatgctga ggttcattcta tgcaatgcaa gagctgaaaa cagattcgag aaaggctggt 120  
 cctacaaggg aaggtcctga ggttacaacg ccggcatggc ggaaaacatg gctgcagcga 180  
 tcccagcttc ttgctgcccc caggggtggc acatctgggc acacactgtg agctgctcag 240  
 aggcaactctg gtgggcagct cccatcgctt cagtcagtgt ctccgtcccc ttcactgcct 300  
 tccaggggac tgggcacctt ggcgccctg ccacctgccg tgagagcggg ggcactgaag 360  
 ttgtggatgg gcaagggtgct gaccactgg gccatggagc gttcgtcccc ctccgtgccg 420  
 atgatgggtg ggtagatgtg c 441

<210> 1437

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598746

<220>

<221> unsure

<222> (1)..(374)

<223> n = a or c or g or t

<400> 1437

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taccctgctc cgctccgagt tcgggcagcg caattcacca ctctcccaa gccggaccac 120
agctgggtga ggggtgggac agagagtagg agcagtccca gcatgcagt cagcagccca 180
aagcctcggg cganggcac gccattcatc ccccttcagg gcacagcgag atgcggggcca 240
gagctctttt gctgggacgt acacagccaa ggtcacctc cagcccggtc tgtcccatgt 300
gcagggtgatg gggggtacga taagcagcaa tgaggggcca ggaagacctc agtctcctgg 360
gggccccatcc taaa 374
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<210> 1438

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598749

<400> 1438

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atttgattag ttgaaaacac ttccgactaa ggaagcagag agcccacaat cctgtgggaa 120
aacaggcctg ggaactaata tctcaggggt agtgagggtc gggcccagat cctcaaagg 180
tccctgcccc tgaaattgca cttttgacag ctgctgaatt ccaagcacag cgttaagtgc 240
tttacatggg gtaaccctaa aaaacacact gggcctcaga cactcccgt caccacacca 300
acctctaccc tgtggatgtc ctagataagg gttttctctt cacaaaggta aatcaactct 360
ttgcctcctt agggagggaa ggaataaagg cattattttt gagacttttc t 411
```

<210> 1439

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598829

<400> 1439

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gcactcagct acctctggga gggtaaagtt tcctttcatt ttgaggaccg catgttctgg 180
taggtctttt cctctactt ctgctttctt ctgtgttctt tgcttatagt cttcatcttt 240
tgggcaaact acaacagctt ttcgctggaa gcctgcaaac aggcacattt ttctcctctg 300
ggcagcagca gacacatttg tctgatccag aataaaattt cgcttctttc gggcagcaat 360
ctcaataaat ttccaagac actggggggg ctctctgcaa cagtgggtgtt cagttttcca 420
gtatctgcc tttgcttctt aaaacctgca atcatcatct tatccataat agtatttgtg 480
caagaatgtt atatgtccct ggattttctg c 511
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<210> 1440

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598831

<400> 1440

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gcagttatTTT caattcaggt tttattaaag ttgtttctga atatttttttc tcagtgatcc 60
ttgtttctgat gaatattaca tttcatcctt agttttgctc atttgatttt gcttttagtgt 120
ttaaagaact tttatttatc agatcctttg ccatgaatga gagcaccaaa taacatatca 180
atacccaact gcctgattcc tttacagcag taagaaaagt cagtaaaaca 230
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<210> 1441

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598926

<400> 1441

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tttttttttt tttttttttt ttttttcacc atttgggacg tctttattat ggatccgtcc 60
actcttccag gagcagtagc ccttctaaga aaggggtggg aagaaaacca gcctaccctt 120
caagctgact taggatgcaa tggtagacag accagccttg ggggaggggt ctcc 174
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<210> 1442

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598988

<400> 1442

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tggggggaac ataggaaaat cctccacctc taacagagcg aagttactgg ctttctgctt 120
gctccaagaa tcccaaggct tgatgttttg aaggaattat ctgttcttca actactccca 180
gatactcaga cataagttac acacatctgg agaaggggtc tgccctgctg aagctagatg 240
ggagctcaat gcatgggaga aaggagcatc aatctagaaa aaaatgatca aagaacagct 300
gagtgcagct gtggggccat cccaggcaag tgggctcttg gtgctctggt gtagccagaa 360
cccatacaag ctgggctggc ctaggaagcc caccaggc 397
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<210> 1443

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599107

<220>

<221> unsure

<222> (1) .. (512)

<223> n = a or c or g or t

<400> 1443

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ttacaatcat catcctttgt atcatgttaa tagaaatatt aataactact tagctttata 180
agcttattgc acttcatgtg gatttttttt tctccagaaa aggtattttc aaaagatcgg 240
caaggattgc caatcttgat ttgttctttc ttataaaactg tgatcaacat acagttgata 300
gctttatata aaagcattaa gagtctgaag catcanaaaa caacgtttta aaagatgcag 360
ctccatgttc atcatccctt ttataatctc tttttttttt ttttgagatg gggttcgccc 420
ctggtgccaa gctggagtg c aagggtgcgat ttggctcacg gaaacttcag ctccggattc 480
agcgatctcc tactcagctt ccgagtagct gg 512
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<210> 1444  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599199

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 caggtgccca ccaccactcc cggctaattt ttgtaatttt ttttagtaga gatgggggttt 180  
 caccacgttg gccaggctgg tctcaaactc ctgacctcag gtgatccgcc cacctcaacc 240  
 tcccaaagtg ctgggattac aggagtgagc caccgggccc agcctgtttt ctcttttctc 300  
 ctttccctgg ggaagagggt tggccggaca gaccctggtg tggctgggat gggggactgc 360  
 tgcagagagg taacgggccc ctgagataga catgggacag cccgaaaagg tgggactgag 420  
 aggggac 427

<210> 1445  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599211

<400> 1445  
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 ggtctatgca cactgctgag gctgggttaga cttgagaagc aattgacaat aaactctaca 180  
 gaactggaaa tgttcaaaaag tgtcaagggt gcttctggct gttttcctgc ctccctgtgg 240  
 gggtcagtta taccatcag tctgtgcaa aggtcctggg actggcccag gggcagccgg 300  
 attcttctgc ggggacagga gctgtcctgc tcaccagca gaagcatgcc aatggacagg 360  
 tgctcgggtg tgtgcccagg tgctgtggcc cccaaactcc gtggctcctc aagcatgtc 419

<210> 1446  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599214

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 agcaaaatgt gtctgtttac atagtgcatt gtatgaaaaa aaagtttttc ttctcttaag 180  
 gtccttgact ataaggaggg aaaaattaat ttcattgcaa catttttggg gaactttaac 240  
 aatcatccca tttctgtctac taaaataaca aaactgggtat tacactttaa aatataaaga 300  
 cctaacagtt tttacaaata tgcaataaat ctactactta gacataaaaa aaagttgatt 360  
 tcttttaaat cacaaagtaa ggcaccattg gatt 394

<210> 1447  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599234

<400> 1447  
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 atatatgtat cttgtgactt cataaaacat cctttactat atttttaaag aaagcagaag 180  
 taacagcaat atatgtaaaa gtaatgattt aatgactatg agcaagacaa agcaatagaa 240  
 ttgtgcttct tttgcagact ggggacaatg aaatggttag ctacaatttt cccatacaaa 300  
 catgaaacaa tattcatata gaataaacac cctcacaaat aactgatggg tgatga 356

<210> 1448

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599244

<400> 1448  
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 aattatcagt actgacctct gcctgtgggt tacctatact gatattcttc ataacagaca 180  
 tatctggatc atttgaatgt acttcaagtt ttttcagact gacggtaggt ttcatttcct 240  
 gaagttgctt taagacaagc tcagtgaat ctttaagatt cttgtctaaa acaattttta 300  
 cattatcact gcactgaagc tgtgatggat tggcaaactg tacaaacggt tcgctttcct 360  
 tacaaggaca tacatgatgt ccactagtca cagcagtcct atcaatattt tttcttgaat 420  
 ttgaatggga tcctttttgt ttccagtatt cggatggctt ttgtcagtat tgttcttctg 480  
 cttcactgca gactcctcaa gaaacttcag aaatgatact tcaaatecat tggcctaaaa 540  
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<210> 1449

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599365

<400> 1449  
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 gttaccatac tcaaagttaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180  
 atgtactgtt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa 240  
 tattaacaat taagcttgta tacaatagta a 271

<210> 1450

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599469

<400> 1450  
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 catggtacat ctgtcaaaac caagggactg aaattggtat attaactaaa attcagactt 180  
 ttttcagatt tccaattttc ccaactaatgt cctgtttttg ttccaagacc caatccagga 240  
 tgccacattg cactgaagac actctccctt ttcaattcta ttactggtca cctcagtcaa 300  
 ctttcccggg gaaagagaat gcatgggaaa agctcttgct cttattattg aactggagaa 360  
 actgaggctt aaaagtgccg agtgaccaag ttc 393

<210> 1451

<211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599472

<400> 1451  
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 gcctactggg caggcttaca gtgacagaaa agtatgagaa cacaagatat tatttttata 180  
 aagactaaaa tcagatttag gctgtctaga tatcttattc cagaaaaacac agatttaaga 240  
 tttttcagtg attcttgccct tccacctccc cttttcttcc ccaatgagat aaccatttct 300  
 ttcacaatga tgaaccatcc ctttttatgg aaaaatggct ttctttctcc attggatcag 360  
 gacaaagaca tcacttc 377

<210> 1452  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599522

<400> 1452  
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 tatttaatat gaagggtgag gcagggccgg ggcggggagg cgctgtcact tggatgatgg 120  
 gtgcgcgttc atgctcttgc cgctgccgct gagcacgat taggggggtct tctgagcctt 180  
 ctgcttctcc tggagcaggg ccacgggtgcc caggggcgtg tcgctggagc tcatcttctt 240  
 caggagcggc tcctcgcca gcttcttcat ccgcgcgtct gtcttcatct tgctgagcc 300  
 cttgccatgg aagcggg 317

<210> 1453  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599526

<400> 1453  
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 tcttctagga atgtttttct tatttaaaaa ataatactga ttttctggga aaaacaaaaa 180  
 aacaagccag agaagactgc ccttcaaacc aaaatggtaa gaaaggcagc tatgaacatg 240  
 gggaagacaa gtgtgaacat gaggaagaca gggatgaagg tgtgaaaaca gatgtgagga 300  
 taagaagaca ggtgtaaagg tgagaaagag gccgggcatg gtggctcacg cctgtaatcc 360  
 cagactgtg ggaggccaag gcagatggat catc 394

<210> 1454  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599585

<400> 1454  
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 aagtacacat cgaaacaacc taaaatcatt tatcaggtag tagaaaatgt ttccaatgta 120  
 tgatacagac tagaaagcat gcagtcctca atgtaaacta aacacaataa atttcagaga 180



aaaacaattt taaaatggct taaaaatata tctaatagaaa tgtgggggtca aagaagaaca 240  
 ttttgaacac ataccgtagt tgcaaaaacaa tgatgttacc tcgtaagatt ataccaaagc 300  
 tttcatgaga agcagttttt tatattactt taatttttatt ttagagatgg agtctcgctc 360  
 ttgcccagcc agagtgcagt tgcaggatct cagctcactg caacctccgc ctcccgaatt 420  
 caagccattc ttctgcctca ccctcctgaa tagctgggat tacaggcac 469

<210> 1455

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599808

<400> 1455

tttttgtttt tgggtgtttt aattgtttt gttaatgtaa aaacagaacc atcacagccg 60  
 ctcagctcta taacccatcc agcccaagac tgttctagtgt gtgaaaccaa gagtagacag 120  
 gtcttctctac ctcagtgcacc tcaaaacaca aggacatctc catagggcac caacatgcat 180  
 ctgtcatcca agaattctaag aacttcctga tccttccaca ttttctatca ataatttgc 240  
 cttctgaggt tatggattcc aggtcttcta tgaaataggt aaagcttctt ttcgcgttcc 300  
 aagaaatata gtttgccaag ggaactggaa aacgtgactc taggcctcag ccacttctct 360  
 tgttaccctg tgcaagttgt agaacaatcc acgttctcac agtcccc 408

<210> 1456

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599814

<400> 1456

ttttcaaata ctaaataatt agtcctttat ttaagcctgc ccctctaaat ttaaaaagggt 60  
 atcagcactc ttggttacca attgtaagca atataaaaaat ttcactggta tcaattctaa 120  
 ttggttcagt ccatccattt tcttatacag tgaatgtctt tttttctatc agaatccaac 180  
 agaagaataa tgcaaatact acttctgagc ccacgggcaa gcagtctcaa caataaccaa 240  
 aaaatgtcac tttacgactg gtagtctgtt tctgaagtaa aaatattctc gccagtaata 300  
 aaaatttgct atgaggaaat ccttctactgt tcaagaagca cagttcgaag ctcattctct 360  
 ttattgatca tcatacgaagc aattgcacca tcattaaact caaaagaagt tcctccatcc 420  
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<210> 1457

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599850

<400> 1457

aaaagggtgt tcagatatat tgatatgtca aacaaatagt aaaacaacat agagtaatga 60  
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 ctaaatttgt aacagtgtt acccctggga aggggtgata cagatgttga tttactcttt 180  
 gggtagctgt atttcccagt ttttctataa atcacatcat ttgcttctgt cataagaaaa 240  
 aataatatct attatcatcc tttattttga tcaaaacaaa tcaatttttt aaaaaatctt 300  
 aggttttttt aagaagcaga aataatttcc aaattgcctc cagagacaat gattttatc 359

<210> 1458

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599937

<400> 1458

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ttttctactc ccacaggctt gaactctcct tataggagtg tctccacatg ccaaaatcag 120
aggaagtcag aataaaacct cccaaggctg aaaactagag ctggcacgta gtacatggtc 180
agtaaagtgt tttaggtggc tggatgagtg aaggaatgag tgagtgagtg aatccaggat 240
cgatctggaa acacaccagg gctcagacct cttgggctaa gtgccagtct cagtcctctt 300
gggctgtgta acaccaaaga gaacacccca ggctctggct taccccaagg gcacacccat 360
gct 363
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<210> 1459

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599954

<400> 1459

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attttataga cacattatat ttattcagaa agattaagta tttcaaagggt aaaaaatgaa 60
gctaacattt gaagattagg taagtttcat gttacagaat ataaagatga aaatggataa 120
aaaattatta tgaagtacac acattagaat ttgacttgct tagtttgctt ctttgtgcct 180
ctacctttat caaagataat tatgtgacta agtatcataa ctaagctggg acatggaatg 240
gacaagttaa aataggtggg acattagaat tattatatat gagctcttct gacttcagag 300
taaaatttgt gttgtcatt cctagcttcc aaaagtgaat aaatacat 348
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<210> 1460

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA600153

<400> 1460

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tgatttagat ttatttttat tgacaagggt tataagaaca aatattttaa atcgaaggcc 60
aattattagg tctcatttag ttgcttattt tgttcacttg tatttacctt tccctagtgt 120
ctgagtaact atcaagaaac aaacctgtga aaatacctgt taacattcaa catatatattt 180
tatatatattc tgttctatga tgcaaagata tttttcaaca cttaattggg gcaacaaatg 240
tgtcattgtg tcataaacag catgttttaa aattcagatt taataaactg atttaagaca 300
gtaaatttga aagacaaaat taagtctcat tcaggagtggt tccattatgt tgatcatcta 360
gaatcaacac tgattaacca aactctgaaa gccaaagagcc ccaactccag agaaacatta 420
aattt 425
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<210> 1461

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA600248

<400> 1461

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agcgaaggga gataggggtg gggccgtttt ataggatttg ggtaggtaaa ggaaaattac 120
aatcaaaggg gggtgttcta tggcaggcag gggcgggggg cacaagggtc tcagtgggga 180
agcttctgag ccaggagaag gaagttcaca ggttaatcgc tcagttaagg tggggcagga 240
acaaatcaca atggtggaat gtcacagttt aaggcaggaa ccggcccttt tcacttcttt 300
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tgtgattctt cacttgcttc aggccatctg gatgtataca tgcaggtcac aggggatatg 360  
atggcctttgc ttgggctcag aggtctgaca cacatcacta agcattgttt gatctgt 417

<210> 1462

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608545

<400> 1462

ttttaacagg cagaaactct ttaatcaggc tttttttcca actctaaaac aaaatcccat 60  
tttttcctta aatttagttc ctcaggaaca gagaactttg caatgatgat ctcaactctg 120  
catcatctgg tgactcctga ttctgcagga ctaagacatt tcccaagagt tctgctgcat 180  
cagccagtga ggacaagagt tcttcagtgc ggttcagctc aaggacacct aggcctcccc 240  
agcaggggct tgcttcgagg tctgacaaaac cacagagcgt tgagcagatg gcctgggact 300  
cccagacctg gcagagggtt ttattagggc ccgcctgggc tgcaccgttt catccaagta 360  
ccctgacca gcactcatc 379

<210> 1463

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608546

<400> 1463

ttacagtgat ttcaaacagt ttaatgtaat tccaagacaa agtgtgatta catttctaca 60  
catatacaat atgcatatgt gagtttaca attttaatta ataagtcatt tcacctcgga 120  
gaccgaaaaa atgatcaaaa agaaactatg agtaacaagc tataacatag ttcaccacaa 180  
tgggaccccc cccccctttt tctcacccta cagttagtaa tattacaatt aaaataacta 240  
tattcttcta tattttttct gttaaaatca tctcataaat ttacaatgct attattagtt 300  
tccaagacta atataaattc actccatttt tctacaacga aaatgattaa tttagaagca 360  
cacgacgtca tgatgaaaaa c 381

<210> 1464

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608579

<220>

<221> unsure

<222> (1)..(413)

<223> n = a or c or g or t

<400> 1464

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ctattctaaa actgatattc acacattttt tataataata ataatatgtt agaaacatac 180  
agtgtggcat ttagtatata cactcccttg ctcgcaagcg aaaaatccta atcgcttctg 240  
tataacatgc tttattttta agcctaacct ttaaaaacac tgttgtgata ttactaacia 300  
ctgctttttat aaaattaatt tgacatttcg atatatatac atccttttcag tcatttaaaa 360  
tgттаacaat gctaaactta aaaaataaca agcttatagn taatgggttaa aat 413

<210> 1465

<211> 442

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA608668

<400> 1465  
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atatagggaa cctctattta ggagctggtg gcctgcactc agcaccgcac agataaaaaat 120  
atacgacttt caacacagat ccaaataccc tcacatttta aaagtcagga ttccctacac 180  
aagttttaag ctgacgggat tcaagttctg agttttcata catagcttta acttgtatta 240  
aacacatggt tatttacaac gtggagagag aataaggggc agttaaggcc actttctcct 300  
gtgaaacact gcaaaatatg tacataagta caacctaata taggcaaagg ttctaaaaat 360  
catctttctt ggcttcacgt aattgagtat cagtcgggga gtggagagcg gctgccgata 420  
gcaccaggcc atgcaggcca cg 442

<210> 1466  
<211> 515  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA608671

<400> 1466  
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tatgtccagg aagaaaaaag attacatgct gctcgcagta agtacgagct ttccctgcaa 120  
ctctggctgc aggcgcgcaa gcgggttcacc actggagttc ctaccacagc aggggattga 180  
gaaatgtctc caaacactga aaagctccat gtcaggactg gatgtgtggt tgataacctt 240  
tgttcagtaa aacaaatcac agtaggtttt gagaaggaaa aaaagaatgc tcacaactga 300  
atcggtagag tgaaggttta tcagacaaaag ggacatgagg caaacaattt ttaattacag 360  
aaaccaccac tgcaatgtca tgtagaaagg agaaacaagg gactagcttc ctggatggac 420  
caaaaatata gtttatagac tgtttcaatc ctaaaactaa gacaatttct agatttacct 480  
cagacatgag tagacgtctg gaaaatggat ggaat 515

<210> 1467  
<211> 463  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA608723

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ataatttcca actcatccac ttgcaatatt tatccaattc cagttcatca gcaagaaaat 180  
aaaatgtact tggctataaa aatactgagg aatgttatcg aaaaggaaaag gctatttggt 240  
agaagtaact acaaaaaataa ttagttttaa tctttgtaaa gctttaatgt aagaacatca 300  
gtacactttc tttacataaa ccttaaagca tgatcaatac caagatttca aattttcaac 360  
tttcaagtac ttgaaaaagg gttgcaacaa agtgtctctt cccaaaaaag caagaacagt 420  
gatcatgcag gtgttaatct gcagacatct gaggacactg gta 463

<210> 1468  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA608729

<400> 1468  
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 gggattacag gcatgcacca ccacgcccag ctaatttttg tatttttagt agagatgggg 180  
 tttcaccaca ttggccaggc tggctcctcct caggtgatct gcacccccgc 240  
 ttggcctccc aaagtgtgtg agccactgtg cccagcccag agtttctatc ttttgatgta 300  
 tcttttgaag gagcagctgg agagggcagg atcaaaatta aatcacatga aagtgtactc 360  
 ccctccgctt gctccttata aggaaccctt tatgactaga acccaagacc agtaccacaca 420  
 gcctgaaagg gaatttcaga caaccctacc atagaagtag tgaagaaacc tt 472

<210> 1469

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608751

<400> 1469  
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 ctgggattac aggcattgtg caccatgccc agctaatttt tgtattttta gtagaggtag 180  
 ggtttcagca tgttggccag gctgggtctt aactcctgac cttgtcatcc tcccaccttg 240  
 gcctcccaaa gtgctgggat tacaggcgtg acgaccacgg ccggctgtta tgctcatcat 300  
 ggcacttaag agatg 315

<210> 1470

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608802

<400> 1470  
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 ataaatatgt tattataggc atttattact aactatagtc cttcttgga ggaacaccca 180  
 aaccaatact tataaagtag atgtaattta tagtaacata ttttactata tacatatgga 240  
 aaaaatcata ttctcacaga agagctgaac agacattcac caggatacga ctgttggaca 300  
 agctgctgga gatggacctg ctacccctca gcagcctccc caccacaaga caagtgatct 360  
 caatgtcccc aaacctgtgg gaccct 386

<210> 1471

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608807

<400> 1471  
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 aatcagtgca aacattaaaa gcaatcattc gcttaaaaaa gaagcaaagg atttcatttc 120  
 aagtataaaa aatataaaaa gaggcgtacg agtccagttt cgtctagtgt ggggtcaacc 180  
 tttaaattgc atagtccacg tggcacttgg acatctagag ggcgagcgag ttcggcgctc 240  
 ggcaaagggc acattctgga cacacgcaga tcggcaagtg ctatgtcatg tgcgttcagg 300  
 caggtctgca agtgctatgc gggcggggcg gcagggcgggc aggtgagtg gcaagggcac 360  
 gtccacggcc agccctgatg gctggggccc acatgggcaa cttctgcaaa tcagctgaaa 420  
 gccttcccca tctctccaag accaactagg ctgctctcct ccttggcctc cgctgagggg 480  
 acaccccat cctcagcagt tcaagaatgc tctctccgcg atttctcca tgcgtctcat 540

caccttgcta ggggtcattc caccgtccac aaacagttct agagga

586

<210> 1472

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608837

<400> 1472

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atataatcag tagaaaaagt gatcaatgaa atagcttctg ttcttttctc atatgaagtc 120
tttaaacctg ggctgtattt tacaattcca gcacattgca atttggatca actgcatttc 180
aagtgtcag tagcctcata tggctggtgg catggcactg cacagcacag ctctagatca 240
gctaccagct tccgggaaat tcagaggaca gaggaacatg ttaaacagca ccacagggat 300
gcaatcagca aaatctagat tgtgggaaac tctagaggaa aatcaagcca gctttttttt 360
ttttttccca gacaggggtc tgctctgttg cccatgctgg agtgccatga tgtctcacca 420
cagcctcaaa ctctctgggt ctagcgatcc tcttgctca gc 462
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<210> 1473

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608897

<400> 1473

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aaattcccct gtggtggaca actgagttga tgtggctgat ccaggctgtc tcccagggtg 120
tctcaggagg catcagttgt actagggggg ggg 153
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<210> 1474

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608965

<400> 1474

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tttaattttt aattttaatt acaaaaaaga tgagtctgag aatgcatgta cagaagtttt 60
aatgaatca acttgtcatc aacagcttta gggatcagtg gagtggctctt aacaatcctt 120
gagttcaggc tggagctggc aggaagatg gggagccgca gacagcgtcc tgtgctctag 180
gaacacgggt acctgcactc aagccttagg aggcacgggg gtccactgga gcctaagaca 240
gatgtcctgg gctgcctgtc gctcgcagct agctattgtt tcctcctgct ttctccgggt 300
cctcacctga gctctgatcg ccaggggaag gagctg 336
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<210> 1475

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609008

<400> 1475

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tggaaccctg agtctgcatt ttctcctcag gaaggcggtc tgaaatggag tgggctgtgt 120
ttggcaaggg ttgtagtggg ttggaatctg cttggctccc gagctgggcc tcaggcatgt 180
```

```
ctccccagag taaatgcccg ggatcattga ggaagcgttg gctgcgctgg catgttaggc 240
aggtctgtac ggtccagcgc tgtccctcgc agcgtctctg gcgctgggtg caggtgaggc 300
ccgggacgag gaggggaagag cagcctcgac agagagtcct cttcaccgag ggatctcgcc 360
gcaagacgag ccgcttcgca atg 383
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<210> 1476  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609011

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gacactggaa gttatcaagt ggtccagccc aggaatacag gtagaattca catgataggt 180
gataagaaag caatgtctgt gggccactct gatccctctt tttaccttgg taggtaaggt 240
atgatcttaa gactatatgt actgagtcct attagtcagt gaaaaagatt taagtgacaa 300
gttatgtgct ttgtt 315
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<210> 1477  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609013

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<400> 1477
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ggcagcaggg ctccctggcat ctggagtctt gggatgggag ggtcttcccg gagctccgga 180
gaccctaaag gggactctgg tctcccaggt ttcacaggag agacagacag aggaccaggg 240
gagcgagggg ggccagcagg agccccaggt ggcgatggag gctggaagcc cagaggagta 300
gccgtaatgg gtccctgcagg agccaccca 329
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<210> 1478  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609080

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<400> 1478
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ttacattaag atttggtctg gcagccttgt gtgtttctag gtactagcag taagttttct 120
gaccttgctc acagcgcagg caaagtacag ttatagatcc aaatacagat ggccagacaa 180
ctcgactgca ctcgaccctg gttctttccc atagatggcc cagtgcaggt gttggggctg 240
ctccctctgc ctcaccccac tccaccccac gtcaggatta tccagggggc actatggcat 300
ctgacccatc cctccccacc ttggagtcta ggttgagttg gggaaaaagc accatggggt 360
tggggaagat gtctgggtcca tgcagagagt ggtctggccc ttgagtgcag ggtaggaaaa 420
tgtggggag 429
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<210> 1479  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA609132

<400> 1479

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cctcagcagc aggcctggta tctttgccct gttgagaagc caagatctca gctgtactag 120
tcagggtgttt tttcagacag caagtagaag aggtggtggc caactccagt gctgtatcct 180
ggaggaggtc cgggtcagca ctgggcaagg taggtagcta gctgcctgac ccctagtctg 240
gggttggaaac ttctgtttgc ctgagtaaag ggatgtcagt cctaagattt ctccacattg 300
tgtctttctt ctgcagtggg aaaaaggctg gtccttgaat tgcctgcat ggtaccctaa 360
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<210> 1480

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609164

<400> 1480

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actacagtga tcttcctta gatccttttc tactgagggt aatagctcaa aagacaagga 180
tgcctttagt ccaggctaac ccctgtagcc tctacgcaat taacacagaa gaaaggcctt 240
cctcccttcc agcactgggg ctcaacagtg gactgagtgt ttggtagtgt acatttccaa 300
tcttaataga gcaaagccag acttctgctt tgatgactga gctacaggga caggagtggg 360
ccaaggttct caaattctgt ttttgttttt ttccagactt ctatactatt gtctgcccta 420
ggctgtaggg aatgctgggt agtttgctga acagacactg tgttcagcag ggtttgtggt 480
atc
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<210> 1481

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609316

<400> 1481

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ttttacaaat tatatacatt tattttttaat aatttttaaat aacactcttg tataaattct 60
ttcatatatt caaatcatat acaaatttag aaatgcatga tgaagcctag tacagcatat 120
gtatgagaca catTTTTTaa gtttgtgtta gaattttagt gacataaata caagtttaat 180
gtttcagaaa cattccctaa ttgctcggcc tataatttaa tgtattatag agtgcttatg 240
cctagcatta caacttgact ttaaatacatt tagcttttgg actaacttag atctgaagcc 300
ctgggcttac tttctagggc tgctgctgca gcaacaagta acaattccta cccacatagc 360
ccaaaatata ggaaccaggg atgttcatta taagtgggtg tatgttca 408
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<210> 1482

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609519

<400> 1482

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tttattggac tgtaggTTTT tattaAAAACA aacatttctc atagctctaa gcaaagcatt 60
agaattcatc aagcggactc acatcttttc tctgcacaga gagggctgaa aagggagaga 120
aagtccctta tgtatgtcta gatttggtta agcgaaggat ttcagcgaat gagtcaactga 180
ggctatacac gtttgcaaat tgtaaggcac tggcgggcag agagcacaga taaaggactt 240
ctgggggtccc ccatcctgtc cagcaacctc ccagctcaca ccttagcttc taccaagaag 300
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ggtgaacaca gcacccctgc tatcttcact cagaccccag aagacacagg aaaccgcaca 360  
 gctccactcc caccataaact tattaggaga taagtcacat tttatcaact tgccatcgcg 420  
 cctcctatag attatacttc ggtaaaccce atctgtataa attc 464

<210> 1483  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609537

<400> 1483  
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 catttgatac ggccataaat ttggatgggc catgttacaa tccttccaca attctccact 180  
 taaagacatc attttttctat gtttttaaatg actattgccca tctaacaatt ctacaattcg 240  
 cctctttggc tgtaaaaagg ccaactctac gtccacctgt gtctcatatt gctatctttt 300  
 atttatctct gcttaagatt gcaaaagtgt ttgattttat tattcacctg aacaatgtat 360  
 tgcaattcca atacacccc atctcttgct gttatctaca gcttgtagaca aaatgaacac 420  
 cttgtagaaa taccctactg gttgggtttc ccaagtctat gacaccaaga gagaagcatt 480  
 gctgatggat tgacgaggag accaccagat cat 513

<210> 1484  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609572

<400> 1484  
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 ctctgtccgg ggtcggagag ggggtcctga ggcagcagca gccagctcc agagtgcag 180  
 gcaggggctg tccagctgag tctccgcccc cacgttgccc tggggaggcc cagctgctgt 240  
 cagtgtgct tgagacactc agcagcatct tccaaggcca ggttggccaa gtgtgggggc 300  
 tccagacacc ttaaggctgg cgataccagg aaggccgggg tggctctgtg tgtcccaggc 360  
 caggagaagg ca 372

<210> 1485  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609574

<400> 1485  
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 ggtggtagt gggagagagg gtcagggggg cttggcaggg atgcaggcac catgactttt 180  
 gtgaccagtt cctagagacg catgggtgta gcctcaggag gaaagcgaga ggagctttac 240  
 catgggaacg aaggaaaagg acaacattgg gaggcaaac ttgggagact agtccagaaa 300  
 cttgcagttg aggatacaac agggtc 326

<210> 1486  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA609576

<400> 1486

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ttttaaagggg aaaaatcttt aattgatttc tcaggtaatt tttttccaga ttgtacataa 60
agtgttctta tgttctctat ttggatgttt caggagacat acaaatgaaa tacagtacat 120
agacaaatga aatgctaata agaagtagga tgatattaaa atatccttac tttgcctgta 180
tggaacaaaag gcagtctact ccatcgggga atcaaagcaa atgtgaataa gaggtttcca 240
ccttgcaaaa ctgtgagctt catttgccct ggagagaact actaggcaag gcttcacatg 300
acagtacctg tagggatgtc catgg                                     325
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<210> 1487

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609614

<400> 1487

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tttttcggat tttttttttt tttttgcaaa acattctttt attaaaagaa caagtgtctgt 60
ttacgaactg cccttcgtac aaataacatc cggtatacaa agatacaaga tccgggttat 120
gcacaattcc aggcttggag gtggcagggg ggcacgcgtt tgggctgagg atatcaagggt 180
tttagaaaga atgaaaaagg agcccctggg tttgcaatct gtggcttccc ctccctgctc 240
cctaggaagg gtctgctaca tggaacacagg ttgggataga aagggggcgg gacggggagca 300
gggggtg                                     306
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<210> 1488

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609715

<400> 1488

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ttttgtttat aattttttta ttaaaaattt ttaattgaca cacgataatt atacatattt 60
atgggggtaca tagtgacatt gcaatacaca aaatatacag tgatcagatt agggtaatta 120
gtatatccat catcttaagc atttatcatt tctttctggt gagaacattc aatatcctcc 180
ttctagctat ttagaatata tattattggt aactgtagtc atcctacaga gctatagaac 240
actacaactt aatcttccta tctagctgta attttgtatc ttttaacaaa tttcttccta 300
tccccatta ctttttaaat taaatttatt ttaataatta ggtaac                                     346
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<210> 1489

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609773

<400> 1489

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tttttttttt tttttctttt ttttttaatc aaaaatgttt taatgattac tgtttagaca 60
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ttatagtttc tgtattgaaa tatgtaaaga catctgcaaa ttagtaccta gcaatgaaga 180
catacattta taaatataca cattctaggt ttgataaggt aaatgtaaac agatgccatg 240
actccttttc aaacagaaaa cccacaagac taatagagaa ccaataggct ccctatagta 300
cgaatgtgca aaattaaagc atggtaaact gatatttaca taaatatcaa accaacaatt 360
agtttatata ttgtcaatga                                     380
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<210> 1490

<211> 414  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <223> Genbank Accession No. AA609774

<400> 1490  
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 catcagcact ccagtcagggt cctttctaaa cagcgacctt aggaccagg ttgcatccgt 120  
 cttgtaagta tgccatttgg aacatcttgc tttcagggtca ccatgacagg caaaagaaaa 180  
 ctggagggtc atgcagaact ttttacagtc caacatggaa atagaaaatc acttctgttt 240  
 acaatccctc tgcttgaagt agtcaaagtg cattgcctaa ctacaagagg tttggaagtg 300  
 aacaggagca gatagataca tgatgagctg taaatgcttt tgccatattc tacaaataat 360  
 ataagcttat agaaagcatt ttaatgaaca attctgaaaa actctatatg gata 414

<210> 1491  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609786

<400> 1491  
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 ccatctaaga tagcagcagc tggctgttgc cctggactg agatttcttc ctctttgtgt 180  
 gtggggggcg gctggaacgg atgggagaca cagtgggagg ctgaggcccc ttggggtaat 240  
 cattctgttt ctggaaggca gctttctcaa aaggctgtc tggcaactgc tgcttctcaa 300  
 ccccttggc ccttccaagg ggctgatgat ggtccttagg ttccagggtg gcctgagtct 360  
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<210> 1492  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609795

<400> 1492  
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 gccaatcttg agatcagacg gggttgttcc tccttaggaa gtggccactg gaagcattgt 180  
 ttttccatgc tatttccgtg aagccttttg cttggttcga gtttaaattt ctccctttgt 240  
 gtgagtatga ctatagttct ggctgggtgt tttctattta tttagtttta gatgtcagca 300  
 ttttactata cttggtcctc tcacttcaga ataacagggc tatttattga tacaaaggag 360  
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 gagatc 426

<210> 1493  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609934

<400> 1493  
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atacaataaa ttaaaataact ttttcaacat ctcagatttc tccagtaacg catatatgct 120
ggcagacctt agtgaatcac gttaatttat ttgtaaatca tcaaaggaaa gcataaaata 180
tatgtctcca ggcaagtga tggactggga agccaaattg ggcaacagca gtatttttct 240
gcgccagaag taaacatgtc aacatgggtga cgagggtttt gtcccactcc tggctgaact 300
ttgaagggtg agatgggctaa tatcgaggga cccggctttg tagttctttc tcacaaagca 360
ttccatgagt caagagaagg acaatctgca gcatgacaca gagaactagg tcagaataat 420
atttcttaat ggagattcca atgatgta 448

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<210> 1494

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609942

<400> 1494

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ttttaactta acatgaaaaa ttcactcttt tattttggaa aaaaagttaa cttttcatatc 60
taacaaacag aacaagattt aaggtaaatt tcttaaacad tatccagaaa aataacaaga 120
tttatagtat ctacttctgg tactaatata cacaaaaggc caaaaccatg cctattctgc 180
aggtgtagct tcggtgctct cctgttcagg ggcaggctca ctgcacgctt cttttccttc 240
tttgcttctt ttagattttt tgtgtttgtg tctcctgtga ctatctcctt cttcactttc 300
atggcgacgt ctactattac ttcgagaaga 330

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<210> 1495

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609996

<400> 1495

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ttttttctga ccgatgactt ttatcataaa cagcagcttc taccaccctt ttaatactgc 60
atcattcttt ggggtgtccct aaatgttttc agtattccta taaaatacaa tgcggggcag 120
aaacaacatc aaagccactg gtgtgatttt aaaccaggga gattaactgt tttagaggttt 180
ggctgaacca cccaaaataa tttagtagtt tccgtaaaaa atgtaaactt acaaaataaga 240
gggagactgc tttgaatgat aataccaatg cgtctgctca cagtacagct tgaaggcccc 300
ctcctgtacc cccacaaaaa aactcaaaaa taggactgag atgccacagc caagcgggct 360
gttactcca aagcctcggc gtggggggagg cttccagctg ccaggctggc ctgcactgaa 420
gggtcagacg ccagactgtg gc 442

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<210> 1496

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA610053

<400> 1496

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attttaagcg acaccctcca aattcctttt atatgacaag aaggagctga atgtaatttt 120
acaccattac caactaaaca gtagttcttt agcaataatt aggaagtcac agcacaaaaa 180
cgacacccca gagttgtggt ccatttataa atagattttc acctaggctt cgttgggaaga 240
agtgatttta tatctatcct caccaatggg caaagtgggc acagggtgggc tgtttctata 300
ctttgagcaa attatgcctc actagctggc aatgttttgc gggaacctgg tccgtgcagc 360
tggttcacct tacctgcatg gtctgatctg cactttgacc ctcctaagga agatccctgg 420
tctgagtga aactctcagg gccatgtaa 449

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<210> 1497

<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA610073

<400> 1497  
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agaataattt taacagaaga aaaagctcac atctatctag atgtggctat gttccatggg 180  
aaaaattttca gcatccaaag tgcaaagaaa aaatgactgt agcttttctt accacaaaaat 240  
attgacaatc ttcccttata gcctactctt tattgttagt tgggatgcc aaggatgata 300  
tat 303

<210> 1498  
<211> 311  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA610089

<400> 1498  
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tttgtcccag tgtctgcttg gcacagttct gagatcacac aaacaagtgg gaggggggtg 180  
ggaaatagaa taagtgaag gactgaagag acaaaggcaa gggaggagag gcaagggctt 240  
gcagtagtct caatcagtg actctaacac agattcactc agcgcaaggt cccagtagtg 300  
ttcagcccca t 311

<210> 1499  
<211> 337  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA610116

<400> 1499  
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ttcaaattat gggagatcat attcaaatat gcttaggttt gacaagttgc tgttacaata 180  
ctgagaactt tcatgaaaaa ggtattttaac aattttttaag ataatacaat atctttttgc 240  
tacgtgggcc aacgcattaa tactaacttg tttaaaaatg cagtctttta gacttcaaat 300  
tattataaaa caatatcaag atcatataga tatactt 337

<210> 1500  
<211> 166  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620343

<400> 1500  
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ggcaaaaaat actattactt atttaattgtg gaacaagtct agtctttctc ttgagctccc 120  
acctgctggt taggaggcaa caatgttatt tggatcctgt ttagag 166

<210> 1501

<211> 303  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA620461

<400> 1501  
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 ttactagttt ttcaatttca gataatcctt ttagaatcat ttcccttctt gaagatcatc 180  
 cttttgtagt ctctttactg aagttgtgct gaggataaca tctgtttttc atctgagcat 240  
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 ccc 303

<210> 1502  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA620466

<400> 1502  
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 tccaagacaa cagagcagta tttcaaactc atgaatggga ttttaatgtg ctgtatggaa 120  
 ttgaagcct caaacttaag gaactttcca cctggaaagc attcttaagt aacatcaatg 180  
 aactgtcctc cctaaaacct agacacagta tcactgtgga aacagagtaa tagttctgga 240  
 atcgattgag gattagggtta gaagcgccca caccaggaaa agcttccggg aaacgggttt 300  
 aggacagaat caaggcacac ctgtggaacc tctttctgca tctgtcaaat ggggacgctg 360  
 tgtctcctct cttcttagga gaggattaaa tgagccagag tgggctagca cagtgcctgg 420  
 catgagacta cagtttcact ggggtgctata ctacta 457

<210> 1503  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA620497

<400> 1503  
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 caccatagc cggaacggat tctccaggat ggcagagaag ccttcagcca gcgttggggc 180  
 ctggaactgc ttctgttagc catacatgac catgtctgac acggggatat gagaggagtc 240  
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<210> 1504  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA620553

<400> 1504  
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 aaaccagtgt cttatttcaa agtctcaact cagctgattg ccagggtgaac atcaccatct 120  
 tactcctctg aataactaga cacaaattac atagcaagtt cgtgtttctg cccadccaag 180  
 acacagccag taatcagtca caaacacaga cacagccaac tccaggggct ccagctttct 240

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gcccatcttc tctcagcagt tcctcccatc tgctaagatg cgccttcctg gtggctctct 300
ctcaagggtg gtcaaggctg aacaagacag aaaagcacag tctaggtcca ccatcacctc 360
ccact 365

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<210> 1505
<211> 408
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA620556

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<400> 1505
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aacagcacat ccttccttgg acatgcttta ctctgctgta gtggatcatca cagttttgat 180
tttctggata agaagttcac cacagcattt gtgcattcat ctgatagcca tcttcctga 240
aggacattgc attcttcagc attaacagcg tgtagttttt ctctctctct tttcctgatt 300
acctcttttg aaattctcaa ggcatttggg ggaagctttg caaatgcctt cagcctgggc 360
cagacttctt tctgaaaagt gctatcaggg aaaacttcag taacaagt 408

```

```

<210> 1506
<211> 417
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA620667

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ctccacgccg cttttgtctt atgaattgta ctgcatcttc gtatttcatt ccaccttcaa 180
ttaatgctag ggcaacaagt actggagctc tcccaaggcc tgcaacgcaa tgaacagcaa 240
tacaacaacc aggttcttca cgaaacttaa ttttcacaag acttaaccag tcatcaacaa 300
tctgggttga tgggtgtgcc catcatcaaa aggccaatca agaacatgga taccttcttt 360
ctccacaaga gtagtgtcat aagttgcttc acatactctt actattgttg taactcc 417

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<210> 1507
<211> 423
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA620761

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<400> 1507
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tttcacaatc tttccatatg caccacagca ttcttgatc agaataagct gtttaccagc 180
caaccgtatg tggctgaatg attaaaatga ccatctatac ttacatagat aaagcatctt 240
ccaaaatttt aatgtacaca gtgacaaaaa ggaaaaacaa acaaaaaaaaa cagtaattct 300
gaacacatga agagtgatta agcagcttca taatcaaatc aggttcatt acttgcaaca 360
agggcaactc tttccattcc ccactaaata ctaaagtttc aatcttatta acattaaaag 420
aaa 423

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<210> 1508
<211> 439
<212> DNA
<213> Homo sapiens

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<220>  
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tgaatgccgg caaatctgtt attccattgg caaaatcgta ttgctgctct cctgttaatc 180  
tcctatttat aaaaggatca tgaggctgcc aagtgcataa aatggagatg gtctagtaac 240  
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ggcacaaatca cagaaatat 439

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<211> 227  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620830

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gaattatatt gacacaggta gacatagga atggaactga atgaacccaa ggtgttacat 180  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620881

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ttttaaatat tatttttagtg aatacatgca ttatataata caacaacaac aacaacaaca 180  
aaaacacaaa gaggctagag atttcaccgt ttctaccccc aaaataacgc ttgctatcaa 240  
gactttggag ggggatgggg gaaaagaatt taaaaggcaa ataatttttt tctcataaaa 300  
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gccgcacata tagac 375

<210> 1511  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620965

<400> 1511  
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cagaaatata aaagtacaga aaatggtttt cctgcttttg tgttggttgt ggcggccgag 240  
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tgactgcgac tcccacgtga ttctccacaa agcggatgta gttctgggac tgtgggggca 420  
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caacttcgac cttctgaagc atctcctggg tagctgg

517

<210> 1512

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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620995

<400> 1512

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acaaagcttt gtaaatttta agaaaaacat tcatagatca taaacaaaaa tttcaatatg 120
caatattcaa atttacaaga aaataagcac aaacttttag acagtgcagt tattgctgca 180
ctcctttaat tccttatcca gagcccaaaa aatgtagaca aaccctaaaa atgtagcaga 240
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atagagtact cttcagaaga aagaggcgag ggctcgatcat ttggtcaccc tttggacatt 360
ttgcaactct tcaatgggtt tccattgttg gttgattgtt ataagctttt gaggtacagt 420
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<210> 1513

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621131

<400> 1513

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cctcaggaag gcacagaaaa gtgaggcttg ggttcggggg ccacctgctt tggaactaat 180
ctgctgctca gaaggccagg ccccttctga agagggatct cttcctcaca tccagaatct 240
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<210> 1514

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621146

<400> 1514

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attaaagatg tcttcaggag gatagccttt gggtcaccca ccttcacggt gagcatgtcc 180
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acaagacgca atgaccgcac cagctcgccc agttctccag gctccagcga ggccgagtgg 360
tactccact tccaggtctt gtccaaagtt atgtgacgtt ccaacaactt ggccccaaga 420
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<210> 1515

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621192

<400> 1515

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ctggagccca aggtacagga tgggaaggct ttgctatgga tcccagcctt tctagggctg 180
ggtagtgggg acctcccaa attggagttc g 211
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<210> 1516

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621209

<400> 1516

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cagaagtgtc ttaagacttc acagcggcat ttccctgttc ctcagccccg cctccagggc 240
catcactttg gggcaacagc ttttgctcat gtaactataa aacatctcta ggaatgaaag 300
cacagaggtc aatgatccag attttccaca acaatcatct gcagc 345
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<210> 1517

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621235

<400> 1517

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caatagggtt cgccaatgga ctccattatg tagtgcgacct gtgctcctca ctaggccctg 420
atttcgctat ctgataacaa aggc 444
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<210> 1518

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621242

<400> 1518

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ccaggataag aacagatatg aaaaag 446
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<210> 1519

<211> 435  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA621274

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aaagcacata taagactgct agtgaatctt ctccagcacc aaaaagtctg ccactgtcaa 180  
agcagaatgc attttaaagg cacaaagtca gcagtctgac cattttccag cgtcacgaaa 240  
gaagcattac agtatagaag aatcaattgt gcatttaaga aacaaaacac atttagagtt 300  
atcttaaaaa gttcaaattg catttggtga tccatatcat tattagaaag aagaaaaaaa 360  
cggagtgtta tatttaactt cccctgataa agctgtttcc tttcaaaaat ttctttttta 420  
aatttacttt tgggtc 435

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<211> 311  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA621277

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<220>  
<223> Genbank Accession No. AA621315

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gaatttctga aaagataaag gatcatttga tttttaaaaa tgtcagcttc atcacatgat 180  
gttccagaga tctgaccca aaagcttctc aagttttact atccatagtg tccttatttg 240  
taactgagac ccattccgta tttcccatct gaagcttctt cagcagttta taacaaagtg 300  
aaagaagttg gactaagaga gccatcatgg atcttgtctt cgtaatacac ttgtcaacct 360  
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gaattagctt gtttatttc 439

<210> 1522  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA621325

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cggctcctggc tgtggacggg atctgaaatg gtcgctgcgg cttgccctgc accagggcct 240
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<210> 1523

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621367

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gagctacacc tctgtcccct gggagctgtg cctcaggatg ctgttctcac ctgggcagat 360
tctggggcag tcagcagccc cttcagggat cttactccca gagccacaa gcaaggtgga 420
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<210> 1524

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621409

<400> 1524

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<210> 1525

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621430

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caaaaaagga gaatgc                                     376

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<210> 1526

<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA621530

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aatgaattt agacaagttg at 382

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<211> 260  
<212> DNA  
<213> Homo sapiens

<220>  
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tttgttcagc agcaggggtga 260

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<211> 555  
<212> DNA  
<213> Homo sapiens

<220>  
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<210> 1529  
<211> 319  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA621752

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attcatgtat aacttttagaa tctgcaaaga ccctgactaa agaaacagaa gtaattgcac 180  
aactgagact gaagggtgta cagtgtctga aatgatgcca gatgtcttac atttagccaa 240  
gtacaccttc agaggtcctt tgattttgag cattaggaac aacagaggaa tataactga 300  
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<210> 1530

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621780

<400> 1530

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agcaccagct ccagatggcc acgtggctgc agctggactc aatgaaactc tgtgacaacc 300  
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<210> 1531

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621796

<400> 1531

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acattcaagt tttaaatcac cttttaacag aagattcaac ttttcaaac aaaaggggtg 300  
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<210> 1532

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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AB000114

<400> 1532

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atatgttatt ttcttctttt ttggagtcaa agtacattgc caatatgaaa cttatcagt 180  
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